



# 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 305: Willow Road over Des Plaines River Office Phone Number, if available: \_\_\_\_\_

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

1100 block of S. Milwaukee Avenue (ISGS Site No. 575V4-5)

City: Wheeling State: IL Zip Code: \_\_\_\_\_

County: Cook Township: \_\_\_\_\_

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

Latitude: 42.10936 Longitude: - 87.8889  
(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.): 210

### 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 CC5-1 THROUGH CC5-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 575V4-5. 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: 500-168698-1.  
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, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

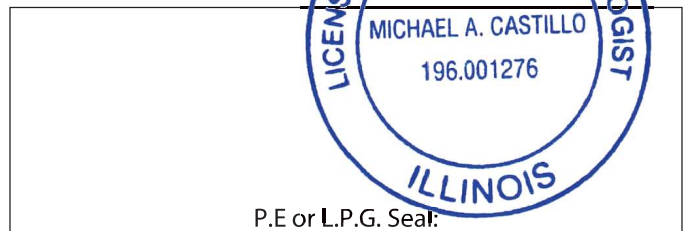
***Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))***

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

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

8 November 2019  
Date:

*Michael A. Castillo*  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:



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

**Summary Table of ISGS Site No. 575V4-5**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAP 305: Willow Road over Des Plaines River - Ramp B and Ramp D**  
**Glenview and Prospect Heights, Cook County, Illinois**

Location	CC5-1	CC5-2	CC5-3	Soil Reference Concentrations <sup>A</sup>
Sample Date	8/21/2019	8/21/2019	8/21/2019	
Field Sample ID	CC5-1(0-3)-082119	CC5-2(0-3)-082119	CC5-3(0-3)-082119	
ISGS Site Number	575V4-005	575V4-005	575V4-005	
Laboratory pH (s.u.)	8.4 J	8.6 J	8 J	<6.25; >9.0
Chloride (mg/kg)	na	na	na	4000
<b>VOCs (mg/kg)</b>	<b>None Detected</b>			
<b>SVOCs (mg/kg)</b>				
Benzo(a)pyrene	0.032 J	0.088	0.22	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.046	0.14	0.31	0.9 / 1.5 / 2.1
Dibenzo(a,h)anthracene	ND	0.011 J	0.029 J	0.09 / 0.2 / 0.42
<b>Herbicides</b>	<b>None Detected</b>			---
<b>Total Metals (mg/kg)</b>				
Arsenic, Total	6.1	6.1	7.6	11.3 / 13.0
Beryllium, Total	0.42 J	0.45	0.42	22
Cadmium, Total	0.37 J	0.42 J	0.36 J	5.2
Chromium, Total	11 J	13	11	21
Cobalt, Total	9	9.3	10	20
Iron, Total	16000 B	16000 B	17000 B	15000 / 15900
Lead, Total	48	43	42	107
Manganese, Total	490 J	560 B	660 B	630 / 636
Nickel, Total	20	22	20	100
Silver, Total	3.3 J	2.8 B	2.7 B	4.4
<b>TCLP Metals (mg/l)</b>				
Manganese, TCLP	0.055	0.64	1.1	0.15
<b>SPLP Metals (mg/l)</b>				
Arsenic, SPLP	0.018 J	0.072	ND	0.05
Beryllium, SPLP	0.0042	0.0086	ND	0.004
Cadmium, SPLP	0.0027 J	0.0024 J	ND	0.005
Chromium, SPLP	0.096	0.19	ND	0.1
Cobalt, SPLP	0.018 J	0.063	ND	1
Iron, SPLP	80	190	0.68	5
Lead, SPLP	0.049	0.13	ND	0.0075
Manganese, SPLP	0.37	1.1	ND	0.15
Nickel, SPLP	0.069	0.24	ND	0.1
Silver, SPLP	0.01 J	0.021 J	ND	0.05

**Notes:**

--- - not applicable or value not available.

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

J - Estimated concentration.

na - Constituent not analyzed.

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: 500-168698-1

Client Project/Site: IDOT-Glenview & Prospect Heights-WO 002

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
9/7/2019 6:34:19 AM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-1(0-3)-082119**

**Lab Sample ID: 500-168698-1**

**Date Collected: 08/21/19 08:25**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 84.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Acetone	<15		15	6.7	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Carbon disulfide	<3.9		3.9	0.80	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Chloroform	<1.5		1.5	0.54	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Chloromethane	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Tetrachloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	08/22/19 17:18	08/29/19 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	08/22/19 17:18	08/29/19 22:07	1
4-Bromofluorobenzene (Surr)	91		75 - 131	08/22/19 17:18	08/29/19 22:07	1
Dibromofluoromethane	86		75 - 126	08/22/19 17:18	08/29/19 22:07	1
Toluene-d8 (Surr)	84		75 - 124	08/22/19 17:18	08/29/19 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-1(0-3)-082119**

**Lab Sample ID: 500-168698-1**

Date Collected: 08/21/19 08:25

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2,4-Dinitrophenol	<760	F1	760	660	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>2-Methylnaphthalene</b>	<b>20</b>	<b>J</b>	76	6.9	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Acenaphthylene</b>	<b>7.8</b>	<b>J</b>	37	4.9	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Anthracene	<37		37	6.3	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Benzo[a]anthracene</b>	<b>28</b>	<b>J</b>	37	5.0	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Benzo[a]pyrene</b>	<b>32</b>	<b>J</b>	37	7.3	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Benzo[b]fluoranthene</b>	<b>46</b>		37	8.1	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Benzo[g,h,i]perylene</b>	<b>24</b>	<b>J F1</b>	37	12	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Benzo[k]fluoranthene</b>	<b>15</b>	<b>J</b>	37	11	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Carbazole	<190		190	94	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Chrysene</b>	<b>44</b>		37	10	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Dibenz(a,h)anthracene	<37	F1	37	7.2	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Fluoranthene</b>	<b>40</b>		37	6.9	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Hexachlorobenzene	<76	*	76	8.7	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Hexachlorocyclopentadiene	<760	F1	760	220	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Hexachloroethane	<190	F1	190	57	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-1(0-3)-082119**

**Lab Sample ID: 500-168698-1**

Date Collected: 08/21/19 08:25

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>22</b>	<b>J F1</b>	37	9.7	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Isophorone	<190		190	42	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Phenanthrene</b>	<b>19</b>	<b>J</b>	37	5.2	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
Phenol	<190		190	83	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Pyrene</b>	<b>41</b>		37	7.4	ug/Kg	☼	08/28/19 07:56	08/28/19 19:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	97		31 - 143				08/28/19 07:56	08/28/19 19:50	1
2-Fluorobiphenyl	88		43 - 145				08/28/19 07:56	08/28/19 19:50	1
2-Fluorophenol	77		31 - 166				08/28/19 07:56	08/28/19 19:50	1
Nitrobenzene-d5	81		37 - 147				08/28/19 07:56	08/28/19 19:50	1
Phenol-d5	66		30 - 153				08/28/19 07:56	08/28/19 19:50	1
Terphenyl-d14	111		42 - 157				08/28/19 07:56	08/28/19 19:50	1

## Method: 8151 - Herbicides

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<390		390	95	ug/Kg	☼	08/29/19 21:29	08/31/19 04:17	10
2,4-D	<390		390	110	ug/Kg	☼	08/29/19 21:29	08/31/19 04:17	10
2,4-DB	<390		390	120	ug/Kg	☼	08/29/19 21:29	08/31/19 04:17	10
Silvex (2,4,5-TP)	<390		390	100	ug/Kg	☼	08/29/19 21:29	08/31/19 04:17	10
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCAA	52		25 - 120				08/29/19 21:29	08/31/19 04:17	10

## 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		08/28/19 15:06	08/29/19 10:04	1
<b>Barium</b>	<b>0.40</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:06	08/29/19 10:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:06	08/29/19 10:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:06	08/29/19 10:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:04	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:04	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:04	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:06	08/29/19 10:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:06	08/29/19 10:04	1
<b>Manganese</b>	<b>0.055</b>		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:04	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:06	08/29/19 10:04	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:04	1
Zinc	<0.50		0.50	0.020	mg/L		08/28/19 15:06	08/29/19 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.018</b>	<b>J</b>	0.050	0.010	mg/L		08/28/19 15:03	08/29/19 10:03	1
<b>Barium</b>	<b>0.46</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:03	08/29/19 10:03	1
<b>Beryllium</b>	<b>0.0042</b>		0.0040	0.0040	mg/L		08/28/19 15:03	08/29/19 10:03	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-1(0-3)-082119**

**Lab Sample ID: 500-168698-1**

Date Collected: 08/21/19 08:25

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0027	J	0.0050	0.0020	mg/L		08/28/19 15:03	08/29/19 10:03	1
Chromium	0.096		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:03	1
Cobalt	0.018	J	0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:03	1
Copper	0.069		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:03	1
Iron	80		0.40	0.20	mg/L		08/28/19 15:03	08/29/19 10:03	1
Lead	0.049		0.0075	0.0075	mg/L		08/28/19 15:03	08/29/19 10:03	1
Manganese	0.37		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:03	1
Nickel	0.069		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:03	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:03	08/29/19 10:03	1
Silver	0.010	J	0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:03	1
Zinc	0.37	J	0.50	0.020	mg/L		08/28/19 15:03	08/29/19 10:03	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J F1 F2	1.2	0.22	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Arsenic	6.1		0.58	0.20	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Barium	60	F2	0.58	0.066	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Beryllium	0.42	F1 F2	0.23	0.054	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Cadmium	0.37	B F1 F2	0.12	0.021	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Calcium	68000	B	58	9.8	mg/Kg	☼	08/28/19 16:32	08/29/19 15:30	5
Chromium	11	F1 F2	0.58	0.29	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Cobalt	9.0		0.29	0.076	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Copper	19	F1	0.58	0.16	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Iron	16000	B	12	6.0	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Lead	48		0.29	0.13	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Magnesium	40000	B	29	14	mg/Kg	☼	08/28/19 16:32	08/29/19 15:30	5
Manganese	490	B F2	0.58	0.084	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Nickel	20		0.58	0.17	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Potassium	1500	F1 F2	29	10	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Selenium	0.90	F1 F2	0.58	0.34	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Silver	3.3	B F1 F2	0.29	0.074	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Sodium	150		58	8.5	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Thallium	0.58	F1	0.58	0.29	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Vanadium	18	F1	0.29	0.068	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1
Zinc	61		1.2	0.51	mg/Kg	☼	08/28/19 16:32	08/29/19 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/30/19 10:25	09/03/19 09:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 10:47	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		19	6.4	ug/Kg	☼	08/27/19 15:30	08/28/19 09:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			08/26/19 15:21	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-2(0-3)-082119**

**Lab Sample ID: 500-168698-2**

Date Collected: 08/21/19 08:45

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Acetone	<17		17	7.4	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	08/22/19 17:18	08/29/19 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	08/22/19 17:18	08/29/19 22:33	1
4-Bromofluorobenzene (Surr)	93		75 - 131	08/22/19 17:18	08/29/19 22:33	1
Dibromofluoromethane	87		75 - 126	08/22/19 17:18	08/29/19 22:33	1
Toluene-d8 (Surr)	87		75 - 124	08/22/19 17:18	08/29/19 22:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-2(0-3)-082119**

**Lab Sample ID: 500-168698-2**

**Date Collected: 08/21/19 08:45**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 85.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Acenaphthylene</b>	<b>5.8</b>	<b>J</b>	37	4.9	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Anthracene</b>	<b>14</b>	<b>J</b>	37	6.2	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Benzo[a]anthracene</b>	<b>85</b>		37	5.0	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Benzo[a]pyrene</b>	<b>88</b>		37	7.1	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Benzo[b]fluoranthene</b>	<b>140</b>		37	8.0	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Benzo[g,h,i]perylene</b>	<b>52</b>		37	12	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Benzo[k]fluoranthene</b>	<b>34</b>	<b>J</b>	37	11	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Carbazole	<190		190	92	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Chrysene</b>	<b>120</b>		37	10	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Dibenz(a,h)anthracene</b>	<b>11</b>	<b>J</b>	37	7.1	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Fluoranthene</b>	<b>170</b>		37	6.8	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Hexachlorobenzene	<74	*	74	8.5	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-2(0-3)-082119**

**Lab Sample ID: 500-168698-2**

Date Collected: 08/21/19 08:45

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>49</b>		37	9.5	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Isophorone	<190		190	41	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Phenanthrene</b>	<b>72</b>		37	5.1	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Phenol	<190		190	82	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
<b>Pyrene</b>	<b>150</b>		37	7.3	ug/Kg	☼	08/28/19 07:56	08/28/19 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		31 - 143				08/28/19 07:56	08/28/19 20:13	1
2-Fluorobiphenyl	92		43 - 145				08/28/19 07:56	08/28/19 20:13	1
2-Fluorophenol	80		31 - 166				08/28/19 07:56	08/28/19 20:13	1
Nitrobenzene-d5	84		37 - 147				08/28/19 07:56	08/28/19 20:13	1
Phenol-d5	69		30 - 153				08/28/19 07:56	08/28/19 20:13	1
Terphenyl-d14	107		42 - 157				08/28/19 07:56	08/28/19 20:13	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		08/28/19 15:06	08/29/19 10:17	1
<b>Barium</b>	<b>0.49</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:06	08/29/19 10:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:06	08/29/19 10:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:06	08/29/19 10:17	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:17	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:17	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:17	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:06	08/29/19 10:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:06	08/29/19 10:17	1
<b>Manganese</b>	<b>0.64</b>		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:17	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:17	1
<b>Selenium</b>	<b>0.020</b>	<b>J</b>	0.050	0.020	mg/L		08/28/19 15:06	08/29/19 10:17	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:17	1
<b>Zinc</b>	<b>0.18</b>	<b>J</b>	0.50	0.020	mg/L		08/28/19 15:06	08/29/19 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.072</b>		0.050	0.010	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Barium</b>	<b>0.79</b>		0.50	0.050	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Beryllium</b>	<b>0.0086</b>		0.0040	0.0040	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Cadmium</b>	<b>0.0024</b>	<b>J</b>	0.0050	0.0020	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Chromium</b>	<b>0.19</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Cobalt</b>	<b>0.063</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Copper</b>	<b>0.20</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Iron</b>	<b>190</b>		0.40	0.20	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Lead</b>	<b>0.13</b>		0.0075	0.0075	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Manganese</b>	<b>1.1</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:07	1
<b>Nickel</b>	<b>0.24</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:07	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:03	08/29/19 10:07	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-2(0-3)-082119**

**Lab Sample ID: 500-168698-2**

Date Collected: 08/21/19 08:45

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.021	J	0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:07	1
Zinc	0.43	J	0.50	0.020	mg/L		08/28/19 15:03	08/29/19 10:07	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	1.1	0.21	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Arsenic	6.1		0.55	0.19	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Barium	57		0.55	0.063	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Beryllium	0.45		0.22	0.051	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Cadmium	0.42	B	0.11	0.020	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Calcium	45000	B	55	9.3	mg/Kg	☼	08/28/19 16:32	08/29/19 15:50	5
Chromium	13		0.55	0.27	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Cobalt	9.3		0.27	0.072	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Copper	23		0.55	0.15	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Iron	16000	B	11	5.7	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Lead	43		0.27	0.13	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Magnesium	23000	B	5.5	2.7	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Manganese	560	B	0.55	0.080	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Nickel	22		0.55	0.16	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Potassium	2000		27	9.7	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Selenium	0.67		0.55	0.32	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Silver	2.8	B	0.27	0.071	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Sodium	890		55	8.1	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Thallium	0.78		0.55	0.27	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Vanadium	18		0.27	0.065	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1
Zinc	75		1.1	0.48	mg/Kg	☼	08/28/19 16:32	08/29/19 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/30/19 10:25	09/03/19 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		08/29/19 10:40	08/30/19 10:49	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		19	6.4	ug/Kg	☼	08/27/19 15:30	08/28/19 09:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			08/26/19 15:22	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-3(0-3)-082119**

**Lab Sample ID: 500-168698-3**

**Date Collected: 08/21/19 08:55**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 90.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Acetone	<16		16	7.0	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	08/22/19 17:18	08/29/19 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	08/22/19 17:18	08/29/19 22:58	1
4-Bromofluorobenzene (Surr)	97		75 - 131	08/22/19 17:18	08/29/19 22:58	1
Dibromofluoromethane	84		75 - 126	08/22/19 17:18	08/29/19 22:58	1
Toluene-d8 (Surr)	88		75 - 124	08/22/19 17:18	08/29/19 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-3(0-3)-082119**

**Lab Sample ID: 500-168698-3**

**Date Collected: 08/21/19 08:55**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 90.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2-Methylnaphthalene	<73		73	6.7	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Acenaphthene</b>	<b>8.8</b>	<b>J</b>	36	6.5	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Acenaphthylene</b>	<b>48</b>		36	4.8	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Anthracene</b>	<b>48</b>		36	6.0	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Benzo[a]anthracene</b>	<b>200</b>		36	4.9	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Benzo[a]pyrene</b>	<b>220</b>		36	7.0	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Benzo[b]fluoranthene</b>	<b>310</b>		36	7.8	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Benzo[g,h,i]perylene</b>	<b>76</b>		36	12	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Benzo[k]fluoranthene</b>	<b>130</b>		36	11	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Carbazole	<180		180	90	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Chrysene</b>	<b>250</b>		36	9.9	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Dibenz(a,h)anthracene</b>	<b>29</b>	<b>J</b>	36	7.0	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Fluoranthene</b>	<b>360</b>		36	6.7	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Fluorene</b>	<b>12</b>	<b>J</b>	36	5.1	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Hexachlorobenzene	<73	*	73	8.4	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-3(0-3)-082119**

**Lab Sample ID: 500-168698-3**

Date Collected: 08/21/19 08:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>84</b>		36	9.4	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Isophorone	<180		180	41	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Phenanthrene</b>	<b>150</b>		36	5.0	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
Phenol	<180		180	80	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Pyrene</b>	<b>390</b>		36	7.2	ug/Kg	☼	08/28/19 07:56	08/29/19 15:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	82		31 - 143				08/28/19 07:56	08/29/19 15:45	1
<i>2-Fluorobiphenyl</i>	85		43 - 145				08/28/19 07:56	08/29/19 15:45	1
<i>2-Fluorophenol</i>	82		31 - 166				08/28/19 07:56	08/29/19 15:45	1
<i>Nitrobenzene-d5</i>	75		37 - 147				08/28/19 07:56	08/29/19 15:45	1
<i>Phenol-d5</i>	79		30 - 153				08/28/19 07:56	08/29/19 15:45	1
<i>Terphenyl-d14</i>	106		42 - 157				08/28/19 07:56	08/29/19 15:45	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		08/28/19 15:06	08/29/19 10:21	1
<b>Barium</b>	<b>0.24</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:06	08/29/19 10:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:06	08/29/19 10:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:06	08/29/19 10:21	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:21	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:21	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:21	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:06	08/29/19 10:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:06	08/29/19 10:21	1
<b>Manganese</b>	<b>1.1</b>		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:21	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:06	08/29/19 10:21	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 10:21	1
<b>Zinc</b>	<b>0.12</b>	<b>J</b>	0.50	0.020	mg/L		08/28/19 15:06	08/29/19 10:21	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		08/28/19 15:03	08/29/19 10:11	1
Barium	<0.50		0.50	0.050	mg/L		08/28/19 15:03	08/29/19 10:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:03	08/29/19 10:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:03	08/29/19 10:11	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:11	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:11	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:11	1
<b>Iron</b>	<b>0.68</b>		0.40	0.20	mg/L		08/28/19 15:03	08/29/19 10:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:03	08/29/19 10:11	1
Manganese	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:11	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:03	08/29/19 10:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC5-3(0-3)-082119**

**Lab Sample ID: 500-168698-3**

Date Collected: 08/21/19 08:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 10:11	1
Zinc	0.020	J	0.50	0.020	mg/L		08/28/19 15:03	08/29/19 10:11	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.1	0.21	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Arsenic	7.6		0.53	0.18	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Barium	58		0.53	0.061	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Beryllium	0.42		0.21	0.050	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Cadmium	0.36	B	0.11	0.019	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Calcium	55000	B	53	9.0	mg/Kg	☼	08/28/19 16:32	08/29/19 15:54	5
Chromium	11		0.53	0.26	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Cobalt	10		0.27	0.070	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Copper	22		0.53	0.15	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Iron	17000	B	11	5.5	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Lead	42		0.27	0.12	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Magnesium	28000	B	5.3	2.6	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Manganese	660	B	0.53	0.077	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Nickel	20		0.53	0.15	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Potassium	1600		27	9.4	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Selenium	0.50	J	0.53	0.31	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Silver	2.7	B	0.27	0.069	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Sodium	520		53	7.9	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Thallium	0.63		0.53	0.27	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Vanadium	18		0.27	0.063	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1
Zinc	79		1.1	0.47	mg/Kg	☼	08/28/19 16:32	08/29/19 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/30/19 10:25	09/03/19 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 10:54	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		16	5.4	ug/Kg	☼	08/27/19 15:30	08/28/19 09:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			08/26/19 15:24	1



# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC Semi VOA

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

## Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## General Chemistry

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Glossary (Continued)

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

1

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# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Slesseas  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
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Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: Andris.Slesseas@western-solids.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SA  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_ 500-168698 COC  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job # 500-168698  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 3  
Temperature °C of Cooler: 4, 9, 5, 6, 2, 2, 2, 0

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #																	
<u>IDOT Wilcox Road</u>																			
Project Location/State		Lab Project #																	
<u>Glenview/Rospect Heights, IL</u>																			
Sampler		Lab PM																	
<u>C. Peace</u>																			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCS	SVOCS	Total Metals	TECP/SPLP metals	PH	Herbicides	PCBs	Chloride	Comments				
<u>1</u>		<u>CC5-1(0-3)-082119</u>	<u>8/21/19</u>	<u>0825</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>2</u>		<u>CC5-2(0-3)-082119</u>		<u>0845</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>3</u>		<u>CC5-3(0-3)-082119</u>		<u>0855</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>4</u>		<u>DPR-1(0-2)-082119</u>		<u>0915</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>5</u>		<u>DPR-2(0-5)-082119</u>		<u>0950</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>6</u>		<u>DPR-2(5-10)-082119</u>		<u>0955</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>7</u>		<u>DPR-2(10-15)-082119</u>		<u>1000</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>8</u>		<u>DPR-2(15-20)-082119</u>		<u>1005</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>9</u>		<u>DPR-2(20-25)-082119</u>		<u>1010</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>10</u>		<u>BR-1(0-5)-082119</u>		<u>1045</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>8/21/19</u>	Time <u>1630</u>	Received By <u>P. Neal</u>	Company <u>SA</u>	Date <u>8/21/19</u>	Time <u>1630</u>
Relinquished By <u>P. Neal</u>	Company <u>SA</u>	Date <u>8/21/19</u>	Time <u>1713</u>	Received By <u>[Signature]</u>	Company <u>SA</u>	Date <u>8/22/19</u>	Time <u>0715</u>
Relinquished By _____	Company _____	Date _____	Time _____	Received By _____	Company _____	Date _____	Time _____

Lab Courier \_\_\_\_\_  
Shipped \_\_\_\_\_  
Hand Delivered \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) \_\_\_\_\_ Bill To (optional) \_\_\_\_\_  
 Contact: Andri Slessers \_\_\_\_\_ Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Address: NAME \_\_\_\_\_  
 Address: \_\_\_\_\_ Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-Mail: Andri.Slessers@westernsolutions.com PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job # 500-768098  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 3  
 Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		VOCs		SVOCs		Total Metals		RLP/SLIP Metals		pH		Herbicides		PCBs		Chloride		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Project Location/State		Lab Project #		Lab PM																Comments		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix																		
11		BR-1 (5-10)-082119	8/21/19	1655	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12		BR-1 (10-15)-082119		1105	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
13		BR-1 (10-15)-082119D		1105	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14		BR-1 (15-20)-082119		1115	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
15		BR-1 (20-25)-082119		1125	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
16		ROW-1 (0-3.2)-082119		1145	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
17		ROW-2 (0-3.2)-082119		1155	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
18		ROW-3 (0-3.2)-082119		1215	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
19		CC16-7 (0-3.2)-082119		1245	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
20		CC16-8 (0-3.2)-082119		1255	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Turnaround Time Required (Business Days)

Requested Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days \_\_\_\_\_ Other \_\_\_\_\_

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Western</u> Date: <u>8/21/19</u> Time: <u>1630</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/19</u> Time: <u>1630</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/19</u> Time: <u>1430</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>0715</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: \_\_\_\_\_  
 Shipped: \_\_\_\_\_  
 Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
 Contact: Andri's Slessers  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: Andri.slessers@weston.com

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: SAME  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: \_\_\_\_\_

Chain of Custody Number: \_\_\_\_\_

Page 3 of 3

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Matrix		Comments				
<u>Weston</u>														
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM		Preservative Key				
<u>IDOT Willow Road</u>		<u>Greenview/Prospect Heights IL</u>				<u>C. Pace</u>				1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUOCs	Trace Metals	TECP/PEP Metals	pH	Heterocides	PCBs	Chloride
21		CC16-9(0-3.2)-082119	8/21/19	1305	6	S	X	X	X	X	X			
22		CC16-6(0-3.2)-082119	↓	1345	6	S	X	X	X	X	X			
23		CC16-5(0-3.2)-082119	↓	1355	6	S	X	X	X	X	X			
24		CC16-4(0-3.2)-082119	↓	1405	6	S	X	X	X	X	X			
25		CC16-9(0-3.2)-082119D	↓	1305	6	S	X	X	X	X	X			

Turnaround Time Required (Business Days)  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days \_\_\_ 7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/21/19</u> Time: <u>1630</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/19</u> Time: <u>1630</u>	Lab Courier
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/19</u> Time: <u>1913</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>0715</u>	Shipped
Relinquished By	Received By	Hand Delivered

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



# 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 305: Willow Road over Des Plaines River Office Phone Number, if available: \_\_\_\_\_

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

600 block of S. Milwaukee Avenue (ISGS Site No. 575V4-6)

City: Prospect Hghts & Wheeling State: IL Zip Code: \_\_\_\_\_

County: Cook Township: \_\_\_\_\_

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

Latitude: 42.1085 Longitude: - 87.8882  
(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.): 375

### 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 ROW-8 AND ROW-9 WERE SAMPLED ADJACENT TO ISGS SITE No. 575V4-6. 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: 500-168790-1.  
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, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

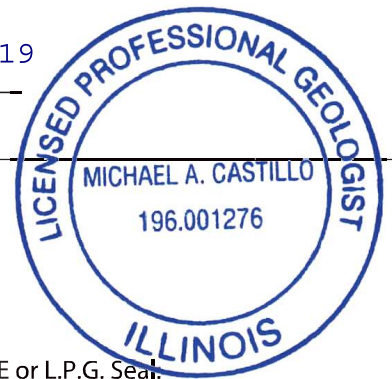
Company Name: Weston Solutions, Inc.  
Street Address: 300 Plaza Circle; Suite 202  
City: Mundelein State: IL Zip Code: 60060  
Phone: (224) 864-7200

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

8 November 2019

Date:

Michael A. Castillo  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:



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



**Summary Table of ISGS Site No. 575V4-6**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAP 305: Willow Road over Des Plaines River - Ramp B and Ramp D**  
**Glenview and Prospect Heights, Cook County, Illinois**

Location	ROW-8	ROW-9	ROW-9	Soil Reference Concentrations <sup>A</sup>
Sample Date	8/22/2019	8/22/2019	8/22/2019	
Field Sample ID	ROW-8(0-3.5)-082219	ROW-9(0-3.5)-082219	ROW-9(0-3.5)-082219D	
ISGS Site Number	575V4-006	575V4-006	575V4-006	
Laboratory pH (s.u.)	8 J	8.1 J	8.1 J	<6.25; >9.0
VOCs (mg/kg)	None Detected			
SVOCs (mg/kg)				
Benzo(a)pyrene	0.021 J	0.096	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.033 J	0.13 J	ND	0.9 / 1.5 / 2.1
Dibenzo(a,h)anthracene	ND	0.017 J	ND	0.09 / 0.2 / 0.42
Herbicides	na	None Detected	None Detected	---
Total Metals (mg/kg)				
Arsenic, Total	6.6	7.1	6.1	11.3 / 13.0
Beryllium, Total	0.41	0.41	0.47	22
Cadmium, Total	0.37 J	0.31 J	0.33 J	5.2
Chromium, Total	14	12	13	21
Cobalt, Total	9.8	9.9	10	20
Iron, Total	18000	17000	17000	15000 / 15900
Lead, Total	70	54 J	24 J	107
Manganese, Total	470	480	470	630 / 636
Nickel, Total	24	25	26	100
Silver, Total	2.3	2.4	2.5	4.4
TCLP Metals (mg/l)				
Manganese, TCLP	1	1.6	2.1	0.15
Nickel, TCLP	0.011 J	0.016 J	0.014 J	0.1
SPLP Metals (mg/l)				
Iron, SPLP	0.22 J	ND	0.23 J	5

**Notes:**

--- - not applicable or value not available.

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

J - Estimated concentration.

na - Constituent not analyzed.

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: 500-168790-1

Client Project/Site: IDOT-Glenview & Prospect Heights-WO 002  
Revision: 1

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
9/10/2019 3:23:18 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-9(0-3.5)-082219**

**Lab Sample ID: 500-168790-12**

**Date Collected: 08/22/19 12:00**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 89.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Acetone	<18		18	7.8	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Carbon disulfide	<4.5		4.5	0.93	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Ethylbenzene	<1.8		1.8	0.86	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 04:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/22/19 19:45	08/31/19 04:56	1
4-Bromofluorobenzene (Surr)	96		75 - 131	08/22/19 19:45	08/31/19 04:56	1
Dibromofluoromethane	94		75 - 126	08/22/19 19:45	08/31/19 04:56	1
Toluene-d8 (Surr)	100		75 - 124	08/22/19 19:45	08/31/19 04:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-9(0-3.5)-082219**

**Lab Sample ID: 500-168790-12**

Date Collected: 08/22/19 12:00

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>2-Methylnaphthalene</b>	<b>8.2</b>	<b>J</b>	70	6.4	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Anthracene</b>	<b>12</b>	<b>J</b>	35	5.8	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Benzo[a]anthracene</b>	<b>84</b>		35	4.7	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Benzo[a]pyrene</b>	<b>96</b>		35	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Benzo[b]fluoranthene</b>	<b>130</b>		35	7.5	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Benzo[g,h,i]perylene</b>	<b>86</b>		35	11	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Benzo[k]fluoranthene</b>	<b>51</b>		35	10	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Carbazole	<180		180	87	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Chrysene</b>	<b>120</b>		35	9.5	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Dibenz(a,h)anthracene</b>	<b>17</b>	<b>J</b>	35	6.7	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Fluoranthene</b>	<b>170</b>		35	6.5	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Fluorene</b>	<b>5.2</b>	<b>J</b>	35	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-9(0-3.5)-082219**

**Lab Sample ID: 500-168790-12**

Date Collected: 08/22/19 12:00

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>63</b>		35	9.0	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Isophorone	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
N-Nitrosodi-n-propylamine	<70		70	43	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Phenanthrene</b>	<b>66</b>		35	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
Phenol	<180		180	78	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Pyrene</b>	<b>140</b>		35	6.9	ug/Kg	☼	08/29/19 07:38	08/30/19 14:26	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	89		31 - 143				08/29/19 07:38	08/30/19 14:26	1
2-Fluorobiphenyl	82		43 - 145				08/29/19 07:38	08/30/19 14:26	1
2-Fluorophenol	90		31 - 166				08/29/19 07:38	08/30/19 14:26	1
Nitrobenzene-d5	77		37 - 147				08/29/19 07:38	08/30/19 14:26	1
Phenol-d5	78		30 - 153				08/29/19 07:38	08/30/19 14:26	1
Terphenyl-d14	101		42 - 157				08/29/19 07:38	08/30/19 14:26	1

## Method: 8151 - Herbicides

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<370		370	90	ug/Kg	☼	08/27/19 16:35	08/29/19 03:13	10
2,4-D	<370		370	100	ug/Kg	☼	08/27/19 16:35	08/29/19 03:13	10
2,4-DB	<370		370	110	ug/Kg	☼	08/27/19 16:35	08/29/19 03:13	10
Silvex (2,4,5-TP)	<370		370	95	ug/Kg	☼	08/27/19 16:35	08/29/19 03:13	10
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCAA	53		25 - 120				08/27/19 16:35	08/29/19 03:13	10

## 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		09/03/19 08:00	09/03/19 17:09	1
<b>Barium</b>	<b>0.21</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 17:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 17:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 17:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:09	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:09	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 17:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 17:09	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:09	1
<b>Nickel</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:09	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 17:09	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:09	1
<b>Zinc</b>	<b>0.33</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 17:09	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		09/03/19 07:55	09/03/19 19:24	1
Barium	<0.50		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-9(0-3.5)-082219**

**Lab Sample ID: 500-168790-12**

Date Collected: 08/22/19 12:00

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:24	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:24	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:24	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:24	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:24	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:24	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:24	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:24	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:24	1
<b>Zinc</b>	<b>0.32</b>	<b>J</b>	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:24	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.23</b>	<b>J</b>	1.0	0.20	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Arsenic</b>	<b>7.1</b>		0.52	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Barium</b>	<b>41</b>		0.52	0.060	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Beryllium</b>	<b>0.41</b>		0.21	0.049	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Cadmium</b>	<b>0.31</b>	<b>B</b>	0.10	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Calcium</b>	<b>75000</b>	<b>B</b>	52	8.9	mg/Kg	☼	08/29/19 17:20	09/03/19 15:25	5
<b>Chromium</b>	<b>12</b>		0.52	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Cobalt</b>	<b>9.9</b>		0.26	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Copper</b>	<b>23</b>		0.52	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Iron</b>	<b>17000</b>		10	5.5	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Lead</b>	<b>54</b>		0.26	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Magnesium</b>	<b>39000</b>		26	13	mg/Kg	☼	08/29/19 17:20	09/03/19 15:25	5
<b>Manganese</b>	<b>480</b>		0.52	0.076	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Nickel</b>	<b>25</b>		0.52	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Potassium</b>	<b>2000</b>		26	9.3	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Selenium</b>	<b>0.49</b>	<b>J B</b>	0.52	0.31	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Silver</b>	<b>2.4</b>		0.26	0.068	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Sodium</b>	<b>420</b>		52	7.8	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Thallium</b>	<b>0.57</b>		0.52	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Vanadium</b>	<b>16</b>		0.26	0.062	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1
<b>Zinc</b>	<b>68</b>		1.0	0.46	mg/Kg	☼	08/29/19 17:20	08/30/19 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 09:03	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>24</b>		18	5.9	ug/Kg	☼	08/28/19 13:50	08/29/19 08:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.1</b>		0.2	0.2	SU			08/30/19 10:58	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-9(0-3.5)-082219D**

**Lab Sample ID: 500-168790-13**

**Date Collected: 08/22/19 12:00**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 89.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Acetone	<16		16	6.9	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Carbon disulfide	<4.0		4.0	0.82	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 05:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	08/22/19 19:45	08/31/19 05:21	1
4-Bromofluorobenzene (Surr)	95		75 - 131	08/22/19 19:45	08/31/19 05:21	1
Dibromofluoromethane	99		75 - 126	08/22/19 19:45	08/31/19 05:21	1
Toluene-d8 (Surr)	97		75 - 124	08/22/19 19:45	08/31/19 05:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-9(0-3.5)-082219D**

**Lab Sample ID: 500-168790-13**

Date Collected: 08/22/19 12:00

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
<b>2-Methylnaphthalene</b>	<b>92</b>		74	6.7	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
<b>Benzo[g,h,i]perylene</b>	<b>16 J</b>		36	12	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Carbazole	<180		180	92	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
<b>Chrysene</b>	<b>27 J</b>		36	10	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Fluorene	<36		36	5.2	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-9(0-3.5)-082219D**

**Lab Sample ID: 500-168790-13**

Date Collected: 08/22/19 12:00

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Isophorone	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
<b>Naphthalene</b>	<b>27</b>	<b>J</b>	36	5.6	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
<b>Phenanthrene</b>	<b>84</b>		36	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Phenol	<180		180	81	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1
Pyrene	<36		36	7.3	ug/Kg	☼	08/29/19 07:38	08/30/19 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	103		31 - 143	08/29/19 07:38	08/30/19 00:28	1
2-Fluorobiphenyl	87		43 - 145	08/29/19 07:38	08/30/19 00:28	1
2-Fluorophenol	118		31 - 166	08/29/19 07:38	08/30/19 00:28	1
Nitrobenzene-d5	86		37 - 147	08/29/19 07:38	08/30/19 00:28	1
Phenol-d5	91		30 - 153	08/29/19 07:38	08/30/19 00:28	1
Terphenyl-d14	96		42 - 157	08/29/19 07:38	08/30/19 00:28	1

## Method: 8151 - Herbicides

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<370		370	90	ug/Kg	☼	08/27/19 16:35	08/29/19 04:49	10
2,4-D	<370		370	100	ug/Kg	☼	08/27/19 16:35	08/29/19 04:49	10
2,4-DB	<370		370	110	ug/Kg	☼	08/27/19 16:35	08/29/19 04:49	10
Silvex (2,4,5-TP)	<370		370	95	ug/Kg	☼	08/27/19 16:35	08/29/19 04:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	56		25 - 120	08/27/19 16:35	08/29/19 04:49	10

## 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		09/03/19 08:00	09/03/19 17:13	1
<b>Barium</b>	<b>0.39</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 17:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 17:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 17:13	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:13	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:13	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:13	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 17:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 17:13	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:13	1
<b>Nickel</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:13	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 17:13	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:13	1
<b>Zinc</b>	<b>0.032</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 07:55	09/03/19 19:28	1
Barium	<0.50		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-9(0-3.5)-082219D**

**Lab Sample ID: 500-168790-13**

Date Collected: 08/22/19 12:00

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:28	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:28	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:28	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:28	1
<b>Iron</b>	<b>0.23</b>	<b>J</b>	0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:28	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:28	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:28	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:28	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:28	1
<b>Zinc</b>	<b>0.020</b>	<b>J</b>	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:28	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.22</b>	<b>J</b>	1.1	0.21	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Arsenic</b>	<b>6.1</b>		0.54	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Barium</b>	<b>37</b>		0.54	0.061	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Beryllium</b>	<b>0.47</b>		0.21	0.050	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Cadmium</b>	<b>0.33</b>	<b>B</b>	0.11	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Calcium</b>	<b>73000</b>	<b>B</b>	54	9.1	mg/Kg	☼	08/29/19 17:20	09/03/19 15:29	5
<b>Chromium</b>	<b>13</b>		0.54	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Cobalt</b>	<b>10</b>		0.27	0.070	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Copper</b>	<b>25</b>		0.54	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Iron</b>	<b>17000</b>		11	5.6	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Lead</b>	<b>24</b>		0.27	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Magnesium</b>	<b>40000</b>		27	13	mg/Kg	☼	08/29/19 17:20	09/03/19 15:29	5
<b>Manganese</b>	<b>470</b>		0.54	0.078	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Nickel</b>	<b>26</b>		0.54	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Potassium</b>	<b>2600</b>		27	9.5	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Selenium</b>	<b>0.43</b>	<b>J B</b>	0.54	0.32	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Silver</b>	<b>2.5</b>		0.27	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Sodium</b>	<b>430</b>		54	7.9	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Thallium</b>	<b>0.76</b>		0.54	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Vanadium</b>	<b>16</b>		0.27	0.063	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1
<b>Zinc</b>	<b>60</b>		1.1	0.47	mg/Kg	☼	08/29/19 17:20	08/30/19 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 09:04	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>32</b>		17	5.6	ug/Kg	☼	08/28/19 13:50	08/29/19 08:27	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.1</b>		0.2	0.2	SU			08/30/19 11:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-8(0-3.5)-082219**

**Lab Sample ID: 500-168790-14**

**Date Collected: 08/22/19 12:05**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 89.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Acetone	<17		17	7.5	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1
Xylenes, Total	<3.5		3.5	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	08/22/19 19:45	08/31/19 05:46	1
4-Bromofluorobenzene (Surr)	94		75 - 131	08/22/19 19:45	08/31/19 05:46	1
Dibromofluoromethane	99		75 - 126	08/22/19 19:45	08/31/19 05:46	1
Toluene-d8 (Surr)	97		75 - 124	08/22/19 19:45	08/31/19 05:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-8(0-3.5)-082219**

**Lab Sample ID: 500-168790-14**

Date Collected: 08/22/19 12:05

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Benzo[a]anthracene</b>	<b>17 J</b>		37	5.0	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Benzo[a]pyrene</b>	<b>21 J</b>		37	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Benzo[b]fluoranthene</b>	<b>33 J</b>		37	8.0	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Benzo[g,h,i]perylene</b>	<b>24 J</b>		37	12	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Benzo[k]fluoranthene</b>	<b>13 J</b>		37	11	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Butyl benzyl phthalate</b>	<b>180 J</b>		190	70	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Carbazole	<190		190	92	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Chrysene</b>	<b>36 J</b>		37	10	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Fluoranthene</b>	<b>29 J</b>		37	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-8(0-3.5)-082219**

**Lab Sample ID: 500-168790-14**

Date Collected: 08/22/19 12:05

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>19</b>	<b>J</b>	37	9.6	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Isophorone	<190		190	41	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Phenanthrene</b>	<b>17</b>	<b>J</b>	37	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
Phenol	<190		190	82	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Pyrene</b>	<b>30</b>	<b>J</b>	37	7.3	ug/Kg	☼	08/29/19 07:38	08/30/19 14:56	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	67		31 - 143				08/29/19 07:38	08/30/19 14:56	1
2-Fluorobiphenyl	58		43 - 145				08/29/19 07:38	08/30/19 14:56	1
2-Fluorophenol	56		31 - 166				08/29/19 07:38	08/30/19 14:56	1
Nitrobenzene-d5	50		37 - 147				08/29/19 07:38	08/30/19 14:56	1
Phenol-d5	52		30 - 153				08/29/19 07:38	08/30/19 14:56	1
Terphenyl-d14	91		42 - 157				08/29/19 07:38	08/30/19 14:56	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 08:00	09/03/19 17:18	1
<b>Barium</b>	<b>0.12</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 17:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 17:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 17:18	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:18	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:18	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:18	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 17:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 17:18	1
<b>Manganese</b>	<b>1.0</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:18	1
<b>Nickel</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:18	1
<b>Selenium</b>	<b>0.021</b>	<b>J</b>	0.050	0.020	mg/L		09/03/19 08:00	09/03/19 17:18	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:18	1
<b>Zinc</b>	<b>0.11</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 17:18	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		09/03/19 07:55	09/03/19 19:32	1
Barium	<0.50		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:32	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:32	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:32	1
<b>Iron</b>	<b>0.22</b>	<b>J</b>	0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:32	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:32	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:32	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-8(0-3.5)-082219**

**Lab Sample ID: 500-168790-14**

Date Collected: 08/22/19 12:05

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:32	1
<b>Zinc</b>	<b>0.30</b>	<b>J</b>	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:32	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.28</b>	<b>J</b>	1.0	0.20	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Arsenic</b>	<b>6.6</b>		0.51	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Barium</b>	<b>46</b>		0.51	0.059	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Beryllium</b>	<b>0.41</b>		0.21	0.048	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Cadmium</b>	<b>0.37</b>	<b>B</b>	0.10	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Calcium</b>	<b>74000</b>	<b>B</b>	51	8.7	mg/Kg	☼	08/29/19 17:20	09/03/19 15:41	5
<b>Chromium</b>	<b>14</b>		0.51	0.25	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Cobalt</b>	<b>9.8</b>		0.26	0.067	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Copper</b>	<b>25</b>		0.51	0.14	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Iron</b>	<b>18000</b>		10	5.4	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Lead</b>	<b>70</b>		0.26	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Magnesium</b>	<b>40000</b>		26	13	mg/Kg	☼	08/29/19 17:20	09/03/19 15:41	5
<b>Manganese</b>	<b>470</b>		0.51	0.075	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Nickel</b>	<b>24</b>		0.51	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Potassium</b>	<b>2300</b>		26	9.1	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Selenium</b>	<b>0.77</b>	<b>B</b>	0.51	0.30	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Silver</b>	<b>2.3</b>		0.26	0.066	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Sodium</b>	<b>640</b>		51	7.6	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Thallium</b>	<b>0.63</b>		0.51	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Vanadium</b>	<b>16</b>		0.26	0.061	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1
<b>Zinc</b>	<b>78</b>		1.0	0.45	mg/Kg	☼	08/29/19 17:20	08/30/19 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 09:06	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>20</b>		17	5.6	ug/Kg	☼	08/28/19 13:50	08/29/19 08:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.0</b>		0.2	0.2	SU			08/30/19 11:03	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## 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
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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. The data are considered valid because the absolute difference is less than the 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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

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



# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60  
Phone: 708.534.5200 Fax: 708.534



500-168790 COC

Report To (optional)  
Contact: Andres Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: Andres-Slessers@weston.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SAHF  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO# Reference#

## Chain of Custody Record

Lab Job #: 500-168790  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 3  
Temperature °C of Cooler: 49.59/49

Client		Client Project #		Preservative		Parameter										Preservative Key	
<u>Weston</u>																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		# of Containers		Matrix										Comments	
<u>IDOT Willow Rd.</u>																	
Project Location/State		Lab PM		Date		Time											
<u>Glennview/Prospect Arches/IL</u>																	
Sampler		Sample ID		Sampling													
<u>C. Pence</u>																	
Lab ID	MS/MSD																
1		<u>IPS-1 (0-3.2)-082219</u>		<u>8/22/19</u>	<u>0830</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
2		<u>IPS-2 (0-3.2)-082219</u>			<u>0840</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
3		<u>CC10-1(0-3.2)-082219</u>			<u>0850</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
4		<u>CC15-7(0-2.7)-082219</u>			<u>0935</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
5		<u>CC15-6(0-2.7)-082219</u>			<u>0945</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
6		<u>CC15-5(0-2.7)-082219</u>			<u>0955</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
7		<u>CC15-4(0-2.7)-082219</u>			<u>1010</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
8		<u>CC15-4(0-2.7)-082219</u>			<u>1010</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
9		<u>CC15-3(0-2.7)-082219</u>			<u>1025</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
10		<u>CC15-2(0-2.7)-082219</u>			<u>1040</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>SA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>
Relinquished By: <u>[Signature]</u>	Company: <u>SA</u>	Date: <u>8/22/19</u>	Time: <u>1510</u>	Received By: <u>[Signature]</u>	Company: <u>SA-COPI</u>	Date: <u>8/22/19</u>	Time: <u>1510</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: [Signature]  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: Stamp  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 3  
Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM											
<u>IDOT W. Main Road</u>		<u>Glenview/Rosnet Heights</u>				<u>C. Perio</u>													
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	SVOCS	VOCs	Herbicides	Total	Metals	PCUP/SPUP	Metals	PH	Comments				
			Date	Time															
11		CC15-1(0-2.7)-082019	8/22/19	1050	6	S	X	X		X	X	X							
12		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X							
13		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X							
14		ROW-8(0-3.5)-082019		1205	6	S	X	X		X	X	X							
15		ROW-7(0-3.5)-082019		1215	6	S	X	X		X	X	X							
16		ROW-6(0-3.5)-082019		1225	6	S	X	X		X	X	X							
17		ROW-5(0-3.5)-082019		1235	6	S	X	X		X	X	X							
18		ROW-4(0-3.5)-082019		1245	6	S	X	X		X	X	X							
19		CC16-4(0-3.2)-082019		1255	6	S	X	X		X	X	X							
20		CC16-3(0-3.2)-082019		1205	6	S	X	X		X	X	X							

Turnaround Time Required (Business Days)

Requested Due Date:  1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other \_\_\_\_\_

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>P. Neal</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>P. Neal</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CHI</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
 Contact: Andres Sessers  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: SAME  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790

Chain of Custody Number: \_\_\_\_\_

Page 3 of 5

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>Weston</u>												
Project Name		Lab Project #		Date		Time		# of Containers		Matrix		
<u>DOT Willow Rd.</u>												
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix		
<u>Glennview/Prospect ACQUIS</u>												
Sampler		Lab PM		Date		Time		# of Containers		Matrix		
<u>CiPeru</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	SVOCs	VOCs	Herbicides	Total Metals	TRUP/SPLP Metals	pH
<u>21</u>		<u>CC16-2(0-3.2)-082019</u>	<u>8/22/19</u>	<u>1315</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>22</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>23</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>24</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1125</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>25</u>		<u>CC4-2(0-3.0)-082019</u>		<u>1115</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>26</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1105</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Received By: <u>[Signature]</u>	Company: <u>TA-OUT</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: TA

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



# 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 305: Willow Road over Des Plaines River Office Phone Number, if available: \_\_\_\_\_

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

600 block of S. Milwaukee Avenue (ISGS Site No. 575V4-9)

City: Prospect Heights State: IL Zip Code: \_\_\_\_\_

County: Cook Township: \_\_\_\_\_

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

Latitude: 42.10821 Longitude: - 87.8891  
(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.): 55

### 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 IPS-1 AND IPS-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 575V4-9. 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: 500-168790-1.  
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, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

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

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

8 November 2019  
Date:

*Michael A. Castillo*  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:



**Summary Table of ISGS Site No. 575V4-9**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAP 305: Willow Road over Des Plaines River - Ramp B and Ramp D**  
**Glenview and Prospect Heights, Cook County, Illinois**

Location	IPS-1	IPS-2	Soil Reference Concentrations <sup>A</sup>
Sample Date	8/22/2019	8/22/2019	
Field Sample ID	IPS-1(0-3.2)-082219	IPS-2(0-3.2)-082219	
ISGS Site Number	575V4-009	575V4-009	
Laboratory pH (s.u.)	8.5 J	8.9 J	<6.25; >9.0
<b>VOCs (mg/kg)</b>			
Acetone	ND	0.0096 J	25
<b>SVOCs (mg/kg)</b>			
Benzo(a)pyrene	0.67 J	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.97 J	ND	0.9 / 1.5 / 2.1
Dibenzo(a,h)anthracene	0.056 J	ND	0.09 / 0.2 / 0.42
<b>Herbicides</b>	<b>None Detected</b>	na	---
<b>Total Metals (mg/kg)</b>			
Arsenic, Total	7.6 J	6.8	11.3 / 13.0
Beryllium, Total	0.38	0.56	22
Cadmium, Total	0.44 J	0.3 J	5.2
Chromium, Total	12	15	21
Cobalt, Total	10	11	20
Iron, Total	17000 J	19000	15000 / 15900
Lead, Total	88 J	13	107
Manganese, Total	460	410	630 / 636
Nickel, Total	23	30	100
Silver, Total	2.9 J	3.3	4.4
<b>TCLP Metals (mg/l)</b>			
Iron, TCLP	ND	0.22 J	5
Manganese, TCLP	ND	0.86	0.15
<b>SPLP Metals (mg/l)</b>			
Arsenic, SPLP	0.013 J	0.082	0.05
Beryllium, SPLP	ND	0.007	0.004
Cadmium, SPLP	0.0024 J	0.0042 J	0.005
Chromium, SPLP	0.038	0.17	0.1
Cobalt, SPLP	0.01 J	0.077	1
Iron, SPLP	37	200	5
Lead, SPLP	0.17	0.087	0.0075
Manganese, SPLP	0.24	1.3	0.15
Nickel, SPLP	0.034	0.25	0.1
Silver, SPLP	ND	0.019 J	0.05

**Notes:**

--- - not applicable or value not available.

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

J - Estimated concentration.

na - Constituent not analyzed.

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: 500-168790-1

Client Project/Site: IDOT-Glenview & Prospect Heights-WO 002  
Revision: 1

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
9/10/2019 3:23:18 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: IPS-1(0-3.2)-082219**

**Lab Sample ID: 500-168790-1**

**Date Collected: 08/22/19 08:30**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 87.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Acetone	<17		17	7.4	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	08/22/19 19:45	08/31/19 15:07	1
4-Bromofluorobenzene (Surr)	90		75 - 131	08/22/19 19:45	08/31/19 15:07	1
Dibromofluoromethane	85		75 - 126	08/22/19 19:45	08/31/19 15:07	1
Toluene-d8 (Surr)	87		75 - 124	08/22/19 19:45	08/31/19 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: IPS-1(0-3.2)-082219**

**Lab Sample ID: 500-168790-1**

**Date Collected: 08/22/19 08:30**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 87.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2,4-Dinitrophenol	<740	F1	740	650	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>2-Methylnaphthalene</b>	<b>7.7</b>	<b>J</b>	74	6.7	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
3,3'-Dichlorobenzidine	<180	F1 F2	180	51	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
4,6-Dinitro-2-methylphenol	<740	F2	740	290	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Acenaphthene</b>	<b>14</b>	<b>J</b>	36	6.6	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Acenaphthylene</b>	<b>120</b>		36	4.8	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Anthracene</b>	<b>93</b>		36	6.1	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Benzo[a]anthracene</b>	<b>600</b>	<b>F1 F2</b>	36	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Benzo[a]pyrene</b>	<b>670</b>	<b>F1 F2</b>	36	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Benzo[b]fluoranthene</b>	<b>970</b>	<b>F1 F2</b>	36	7.9	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Benzo[g,h,i]perylene</b>	<b>220</b>	<b>F1 F2</b>	36	12	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Benzo[k]fluoranthene</b>	<b>370</b>	<b>F1</b>	36	11	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Carbazole	<180		180	92	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Chrysene</b>	<b>640</b>	<b>F1 F2</b>	36	10	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Dibenz(a,h)anthracene</b>	<b>56</b>	<b>F1</b>	36	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Fluoranthene</b>	<b>990</b>	<b>F1 F2</b>	36	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Fluorene</b>	<b>21</b>	<b>J</b>	36	5.2	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Hexachlorocyclopentadiene	<740	F1	740	210	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Hexachloroethane	<180	F1	180	56	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: IPS-1(0-3.2)-082219**

**Lab Sample ID: 500-168790-1**

Date Collected: 08/22/19 08:30

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>250</b>	<b>F1 F2</b>	36	9.5	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Isophorone	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Naphthalene</b>	<b>7.7</b>	<b>J</b>	36	5.6	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Pentachlorophenol	<740	F1	740	590	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Phenanthrene</b>	<b>310</b>	<b>F1</b>	36	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
Phenol	<180		180	81	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Pyrene</b>	<b>920</b>	<b>F1 F2</b>	36	7.3	ug/Kg	☼	08/29/19 07:38	08/30/19 18:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	83		31 - 143				08/29/19 07:38	08/30/19 18:27	1
2-Fluorobiphenyl	89		43 - 145				08/29/19 07:38	08/30/19 18:27	1
2-Fluorophenol	94		31 - 166				08/29/19 07:38	08/30/19 18:27	1
Nitrobenzene-d5	78		37 - 147				08/29/19 07:38	08/30/19 18:27	1
Phenol-d5	92		30 - 153				08/29/19 07:38	08/30/19 18:27	1
Terphenyl-d14	111		42 - 157				08/29/19 07:38	08/30/19 18:27	1

## Method: 8151 - Herbicides

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<380		380	92	ug/Kg	☼	08/27/19 16:35	08/29/19 02:54	10
2,4-D	<380		380	110	ug/Kg	☼	08/27/19 16:35	08/29/19 02:54	10
2,4-DB	<380		380	110	ug/Kg	☼	08/27/19 16:35	08/29/19 02:54	10
Silvex (2,4,5-TP)	<380		380	97	ug/Kg	☼	08/27/19 16:35	08/29/19 02:54	10
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCAA	48		25 - 120				08/27/19 16:35	08/29/19 02:54	10

## 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		09/03/19 08:00	09/03/19 16:15	1
<b>Barium</b>	<b>0.29</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 16:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 16:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 16:15	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:15	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:15	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:15	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 16:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 16:15	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:15	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:15	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 16:15	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:15	1
<b>Zinc</b>	<b>0.14</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.013</b>	<b>J</b>	0.050	0.010	mg/L		09/03/19 07:55	09/03/19 18:32	1
<b>Barium</b>	<b>0.17</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 07:55	09/03/19 18:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 18:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: IPS-1(0-3.2)-082219**

**Lab Sample ID: 500-168790-1**

Date Collected: 08/22/19 08:30

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0024	J	0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 18:32	1
Chromium	0.038		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:32	1
Cobalt	0.010	J	0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:32	1
Copper	0.055		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:32	1
Iron	37		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 18:32	1
Lead	0.17		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 18:32	1
Manganese	0.24		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:32	1
Nickel	0.034		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:32	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 18:32	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:32	1
Zinc	0.20	J	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 18:32	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J F1	1.1	0.20	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Arsenic	7.6	F1	0.53	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Barium	56		0.53	0.060	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Beryllium	0.38		0.21	0.049	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Cadmium	0.44	B	0.11	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Calcium	55000	F2 B	53	8.9	mg/Kg	☼	08/29/19 17:20	09/03/19 14:22	5
Chromium	12		0.53	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Cobalt	10		0.26	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Copper	23	F1	0.53	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Iron	17000		11	5.5	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Lead	88		0.26	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Magnesium	25000	F2	5.3	2.6	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Manganese	460		0.53	0.076	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Nickel	23		0.53	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Potassium	1600	F1	26	9.3	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Selenium	0.54	B F1	0.53	0.31	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Silver	2.9	F1	0.26	0.068	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Sodium	380		53	7.8	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Thallium	0.58		0.53	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Vanadium	17	F1	0.26	0.062	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1
Zinc	86		1.1	0.46	mg/Kg	☼	08/29/19 17:20	08/30/19 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 08:34	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	31		18	6.0	ug/Kg	☼	08/28/19 13:50	08/29/19 07:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			08/28/19 15:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: IPS-2(0-3.2)-082219**

**Lab Sample ID: 500-168790-2**

**Date Collected: 08/22/19 08:40**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 89.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
<b>Acetone</b>	<b>9.6</b>	<b>J</b>	16	6.8	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Carbon disulfide	<3.9		3.9	0.82	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	08/22/19 19:45	08/31/19 15:33	1
4-Bromofluorobenzene (Surr)	100		75 - 131	08/22/19 19:45	08/31/19 15:33	1
Dibromofluoromethane	86		75 - 126	08/22/19 19:45	08/31/19 15:33	1
Toluene-d8 (Surr)	90		75 - 124	08/22/19 19:45	08/31/19 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: IPS-2(0-3.2)-082219**

**Lab Sample ID: 500-168790-2**

**Date Collected: 08/22/19 08:40**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 89.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
<b>2-Methylnaphthalene</b>	<b>28</b>	<b>J</b>	73	6.7	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
<b>Benzo[g,h,i]perylene</b>	<b>14</b>	<b>J</b>	36	12	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Carbazole	<180		180	91	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Chrysene	<36		36	9.9	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: IPS-2(0-3.2)-082219**

**Lab Sample ID: 500-168790-2**

**Date Collected: 08/22/19 08:40**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 89.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Isophorone	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
<b>Phenanthrene</b>	<b>51</b>		36	5.1	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Phenol	<180		180	81	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1
Pyrene	<36		36	7.2	ug/Kg	☼	08/29/19 07:38	08/29/19 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	96		31 - 143	08/29/19 07:38	08/29/19 19:31	1
2-Fluorobiphenyl	87		43 - 145	08/29/19 07:38	08/29/19 19:31	1
2-Fluorophenol	118		31 - 166	08/29/19 07:38	08/29/19 19:31	1
Nitrobenzene-d5	86		37 - 147	08/29/19 07:38	08/29/19 19:31	1
Phenol-d5	97		30 - 153	08/29/19 07:38	08/29/19 19:31	1
Terphenyl-d14	91		42 - 157	08/29/19 07:38	08/29/19 19:31	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 08:00	09/03/19 16:19	1
<b>Barium</b>	<b>0.21</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 16:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 16:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 16:19	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:19	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:19	1
<b>Iron</b>	<b>0.22</b>	<b>J</b>	0.40	0.20	mg/L		09/03/19 08:00	09/03/19 16:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 16:19	1
<b>Manganese</b>	<b>0.86</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:19	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:19	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 16:19	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:19	1
Zinc	<0.50		0.50	0.020	mg/L		09/03/19 08:00	09/03/19 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.082</b>		0.050	0.010	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Barium</b>	<b>0.70</b>		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Beryllium</b>	<b>0.0070</b>		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Cadmium</b>	<b>0.0042</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Chromium</b>	<b>0.17</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Cobalt</b>	<b>0.077</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Copper</b>	<b>0.25</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Iron</b>	<b>200</b>		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Lead</b>	<b>0.087</b>		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Manganese</b>	<b>1.3</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:36	1
<b>Nickel</b>	<b>0.25</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:36	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 18:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: IPS-2(0-3.2)-082219**

**Lab Sample ID: 500-168790-2**

Date Collected: 08/22/19 08:40

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.019	J	0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:36	1
Zinc	0.54		0.50	0.020	mg/L		09/03/19 07:55	09/03/19 18:36	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Arsenic	6.8		0.54	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Barium	56		0.54	0.061	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Beryllium	0.56		0.21	0.050	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Cadmium	0.30	B	0.11	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Calcium	61000	B	54	9.1	mg/Kg	☼	08/29/19 17:20	09/03/19 14:41	5
Chromium	15		0.54	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Cobalt	11		0.27	0.070	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Copper	21		0.54	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Iron	19000		11	5.6	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Lead	13		0.27	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Magnesium	27000		5.4	2.7	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Manganese	410		0.54	0.078	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Nickel	30		0.54	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Potassium	2900		27	9.5	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Selenium	0.61	B	0.54	0.32	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Silver	3.3		0.27	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Sodium	1400		54	7.9	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Thallium	0.97		0.54	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Vanadium	19		0.27	0.063	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1
Zinc	57		1.1	0.47	mg/Kg	☼	08/29/19 17:20	08/30/19 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		09/03/19 10:15	09/04/19 08:36	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		18	5.9	ug/Kg	☼	08/28/19 13:50	08/29/19 07:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			08/28/19 15:57	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## 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
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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. The data are considered valid because the absolute difference is less than the 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)



# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60  
Phone: 708.534.5200 Fax: 708.534



500-168790 COC

Report To (optional)  
Contact: Andres Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: Andres-Slessers@weston.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SAHF  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO# Reference#

## Chain of Custody Record

Lab Job #: 500-168790  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 3  
Temperature °C of Cooler: 49.59/49

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston</u>											
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
<u>1101 Willow Rd.</u>											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
<u>Glennview/Prospect Arches/IL</u>											
Sampler		Sample ID		Date		Time		# of Containers		Matrix	
<u>C. Pence</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Parameter	Matrix	Matrix	Matrix	Matrix
1		<u>IPS-1 (0-3.2)-082219</u>	<u>8/22/19</u>	<u>0830</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
2		<u>IPS-2 (0-3.2)-082219</u>		<u>0840</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
3		<u>CC10-1(0-3.2)-082219</u>		<u>0850</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
4		<u>CC15-7(0-2.7)-082219</u>		<u>0935</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
5		<u>CC15-6(0-2.7)-082219</u>		<u>0945</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
6		<u>CC15-5(0-2.7)-082219</u>		<u>0955</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
7		<u>CC15-4(0-2.7)-082219</u>		<u>1010</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
8		<u>CC15-9(0-2.7)-082219</u>		<u>1010</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
9		<u>CC15-8(0-2.7)-082219</u>		<u>1025</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
10		<u>CC15-2(0-2.7)-082219</u>		<u>1040</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

- Preservative Key
1. HCL, Cool to 4°
  2. H2SO4, Cool to 4°
  3. HNO3, Cool to 4°
  4. NaOH, Cool to 4°
  5. NaOH/Zn, Cool to 4°
  6. NaHSO4
  7. Cool to 4°
  8. None
  9. Other

Turnaround Time Required (Business Days) \_\_\_\_\_  
Requested Due Date \_\_\_\_\_  
Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/22/19</u> Time: <u>1405</u>	Received By: <u>[Signature]</u> Company: <u>SA</u> Date: <u>8/22/19</u> Time: <u>1405</u>
Relinquished By: <u>[Signature]</u> Company: <u>TP</u> Date: <u>8/22/19</u> Time: <u>1510</u>	Received By: <u>[Signature]</u> Company: <u>TA-COPI</u> Date: <u>8/22/19</u> Time: <u>1510</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_  
Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: Stamp  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 3  
Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter												Preservative Key		
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Project Location/State		Lab Project #		Lab PM														
<u>IDOT W. Main Road</u>		<u>Glenview/Rosnet Heights</u>																		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	SVOCS	VOCs	Herbicides	Total	Metals	PCUP/SPUP	Metals	PH	Comments					
11		CC15-1(0-2.7)-082019	8/22/19	1050	6	S	X	X		X	X	X	X							
12		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X	X							
13		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X	X							
14		ROW-8(0-3.5)-082019		1205	6	S	X	X		X	X	X	X							
15		ROW-7(0-3.5)-082019		1215	6	S	X	X		X	X	X	X							
16		ROW-6(0-3.5)-082019		1225	6	S	X	X		X	X	X	X							
17		ROW-5(0-3.5)-082019		1235	6	S	X	X		X	X	X	X							
18		ROW-4(0-3.5)-082019		1245	6	S	X	X		X	X	X	X							
19		CC16-4(0-3.2)-082019		1255	6	S	X	X		X	X	X	X							
20		CC16-3(0-3.2)-082019		1205	6	S	X	X		X	X	X	X							

Turnaround Time Required (Business Days)

Requested Due Date:  1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CHI</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andri Slesse  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: SAME  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790

Chain of Custody Number: \_\_\_\_\_

Page 3 of 5

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>Weston</u>												
Project Name		Lab Project #		Date		Time		# of Containers		Matrix		
<u>DOT Willow Rd.</u>												
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix		
<u>Glennview/Prospect Acq/US</u>												
Sampler		Lab PM		Date		Time		# of Containers		Matrix		
<u>CiPeri</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	SVOCs	VOCs	Herbicides	Total Metals	TRUP/SLCP Metals	pH
<u>21</u>		<u>CC16-2(0-3.2)-082019</u>	<u>8/22/19</u>	<u>1315</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>22</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>23</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>24</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1125</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>25</u>		<u>CC4-2(0-3.0)-082019</u>		<u>1115</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>26</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1105</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Requested Due Date \_\_\_\_\_

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

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

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Received By: <u>[Signature]</u>	Company: <u>TA-OUT</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: TA

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

Matrix Key

WW - Wastewater SE - Sediment  
W - Water SO - Soil  
S - Soil L - Leachate  
SL - Sludge WI - Wipe  
MS - Miscellaneous DW - Drinking Water  
OL - Oil O - Other  
A - Air

Client Comments

Lab Comments:



# 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 305: Willow Road over Des Plaines River Office Phone Number, if available: \_\_\_\_\_

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

600 block of S. Milwaukee Avenue (ISGS Site No. 575V4-10)

City: Wheeling State: IL Zip Code: \_\_\_\_\_

County: Cook Township: \_\_\_\_\_

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

Latitude: 42.10841 Longitude: - 87.8882  
(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.): 7

### 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 CC10-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 575V4-10. 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: 500-168790-1.  
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, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

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

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

8 November 2019  
Date:

Michael A. Castillo  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:



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

**Summary Table of ISGS Site No. 575V4-10**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAP 305: Willow Road over Des Plaines River - Ramp B and Ramp D**  
**Glenview and Prospect Heights, Cook County, Illinois**

Location	CC10-1	Soil Reference Concentrations <sup>A</sup>
Sample Date	8/22/2019	
Field Sample ID	CC10-1(0-3.2)-082219	
ISGS Site Number	575V4-010	
Laboratory pH (s.u.)	8.6 J	<6.25; >9.0
Chloride (mg/kg)	na	4000
<b>VOCs (mg/kg)</b>	<b>None Detected</b>	
<b>SVOCs (mg/kg)</b>	<b>None Detected</b>	
<b>Total Metals (mg/kg)</b>		
Arsenic, Total	8.4	11.3 / 13.0
Beryllium, Total	0.6	22
Cadmium, Total	0.25 J	5.2
Chromium, Total	17	21
Cobalt, Total	12	20
Iron, Total	23000	15000 / 15900
Lead, Total	14	107
Manganese, Total	320	630 / 636
Nickel, Total	33	100
Silver, Total	3.7	4.4
<b>TCLP Metals (mg/l)</b>		
Manganese, TCLP	0.044	0.15
<b>SPLP Metals (mg/l)</b>		
Iron, SPLP	0.35 J	5

**Notes:**

--- - not applicable or value not available.

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

J - Estimated concentration.

na - Constituent not analyzed.

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: 500-168790-1

Client Project/Site: IDOT-Glenview & Prospect Heights-WO 002  
Revision: 1

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
9/10/2019 3:23:18 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC10-1(0-3.2)-082219**

**Lab Sample ID: 500-168790-3**

**Date Collected: 08/22/19 08:50**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 85.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Acetone	<16		16	7.1	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	08/22/19 19:45	08/31/19 00:34	1
4-Bromofluorobenzene (Surr)	91		75 - 131	08/22/19 19:45	08/31/19 00:34	1
Dibromofluoromethane	88		75 - 126	08/22/19 19:45	08/31/19 00:34	1
Toluene-d8 (Surr)	89		75 - 124	08/22/19 19:45	08/31/19 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC10-1(0-3.2)-082219**

**Lab Sample ID: 500-168790-3**

**Date Collected: 08/22/19 08:50**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 85.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
2-Nitrophenol	<380		380	92	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Anthracene	<38		38	6.5	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Benzo[b]fluoranthene	<38		38	8.4	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Carbazole	<190		190	97	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Chrysene	<38		38	11	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC10-1(0-3.2)-082219**

**Lab Sample ID: 500-168790-3**

**Date Collected: 08/22/19 08:50**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 85.7**

**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	<38		38	10	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Isophorone	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Naphthalene	<38		38	6.0	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
<b>Phenanthrene</b>	<b>6.8</b>	<b>J</b>	38	5.4	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Phenol	<190		190	86	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
<b>Pyrene</b>	<b>9.0</b>	<b>J</b>	38	7.7	ug/Kg	☼	08/29/19 07:38	08/29/19 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	103		31 - 143				08/29/19 07:38	08/29/19 19:58	1
2-Fluorobiphenyl	83		43 - 145				08/29/19 07:38	08/29/19 19:58	1
2-Fluorophenol	113		31 - 166				08/29/19 07:38	08/29/19 19:58	1
Nitrobenzene-d5	80		37 - 147				08/29/19 07:38	08/29/19 19:58	1
Phenol-d5	92		30 - 153				08/29/19 07:38	08/29/19 19:58	1
Terphenyl-d14	90		42 - 157				08/29/19 07:38	08/29/19 19:58	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		09/03/19 08:00	09/03/19 16:23	1
<b>Barium</b>	<b>0.25</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 16:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 16:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 16:23	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:23	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:23	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:23	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 16:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 16:23	1
<b>Manganese</b>	<b>0.044</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:23	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:23	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 16:23	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:23	1
Zinc	<0.50		0.50	0.020	mg/L		09/03/19 08:00	09/03/19 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 07:55	09/03/19 18:40	1
Barium	<0.50		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 18:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 18:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 18:40	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:40	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:40	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:40	1
<b>Iron</b>	<b>0.35</b>	<b>J</b>	0.40	0.20	mg/L		09/03/19 07:55	09/03/19 18:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 18:40	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:40	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:40	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 18:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC10-1(0-3.2)-082219**

**Lab Sample ID: 500-168790-3**

Date Collected: 08/22/19 08:50

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 85.7

**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		09/03/19 07:55	09/03/19 18:40	1
Zinc	<0.50		0.50	0.020	mg/L		09/03/19 07:55	09/03/19 18:40	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Arsenic	8.4		0.56	0.19	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Barium	58		0.56	0.064	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Beryllium	0.60		0.22	0.052	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Cadmium	0.25	B	0.11	0.020	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Calcium	44000	B	56	9.5	mg/Kg	☼	08/29/19 17:20	09/03/19 14:53	5
Chromium	17		0.56	0.28	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Cobalt	12		0.28	0.073	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Copper	22		0.56	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Iron	23000		11	5.8	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Lead	14		0.28	0.13	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Magnesium	22000		5.6	2.8	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Manganese	320		0.56	0.081	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Nickel	33		0.56	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Potassium	2800		28	9.9	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Selenium	0.38	J B	0.56	0.33	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Silver	3.7		0.28	0.072	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Sodium	700		56	8.3	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Thallium	1.1		0.56	0.28	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Vanadium	22		0.28	0.066	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1
Zinc	69		1.1	0.49	mg/Kg	☼	08/29/19 17:20	08/30/19 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 09:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 08:37	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		19	6.2	ug/Kg	☼	08/28/19 13:50	08/29/19 07:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			08/28/19 16:00	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## 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
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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. The data are considered valid because the absolute difference is less than the 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60  
Phone: 708.534.5200 Fax: 708.534



500-168790 COC

Report To (optional)  
Contact: Andres Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: Andres-Slessers@weston.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SAHF  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO# Reference#

## Chain of Custody Record

Lab Job #: 500-168790

Chain of Custody Number: \_\_\_\_\_

Page 1 of 3

Temperature °C of Cooler: 49.59/49

Client		Client Project #		Preservative		Parameter										Preservative Key	
<u>Weston</u>																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		# of Containers		Matrix										Comments	
<u>1101 Willow Rd.</u>																	
Project Location/State		Lab PM		Date		Time											
<u>Glennview/Prospect Arches/IL</u>																	
Sampler		Sample ID		Date		Time											
<u>C. Pence</u>																	
1	MS/MSD	<u>IPS-1 (0-3.2)-082219</u>		<u>8/22/19</u>	<u>0830</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
2		<u>IPS-2 (0-3.2)-082219</u>			<u>0840</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
3		<u>CC10-1(0-3.2)-082219</u>			<u>0850</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
4		<u>CC15-7(0-2.7)-082219</u>			<u>0935</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
5		<u>CC15-6(0-2.7)-082219</u>			<u>0945</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
6		<u>CC15-5(0-2.7)-082219</u>			<u>0955</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
7		<u>CC15-4(0-2.7)-082219</u>			<u>1010</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
8		<u>CC15-4(0-2.7)-082219</u>			<u>1010</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
9		<u>CC15-3(0-2.7)-082219</u>			<u>1025</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
10		<u>CC15-2(0-2.7)-082219</u>			<u>1040</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>SA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>
Relinquished By: <u>[Signature]</u>	Company: <u>SA</u>	Date: <u>8/22/19</u>	Time: <u>1510</u>	Received By: <u>[Signature]</u>	Company: <u>SA-COPI</u>	Date: <u>8/22/19</u>	Time: <u>1510</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: TA

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: Stamp  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 3  
Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter												Preservative Key		
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Project Location/State		Lab Project #		Lab PM												Comments		
<u>IDOT W. Main Road</u>		<u>Glenview/Rosnet Heights</u>																		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	SVOCS	VOCs	Herbicides	Total	Metals	PCUP/SPUP	Metals	PH						
11		CC15-1(0-2.7)-082019	8/22/19	1050	6	S	X	X		X	X	X	X							
12		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X	X							
13		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X	X							
14		ROW-8(0-3.5)-082019		1205	6	S	X	X		X	X	X	X							
15		ROW-7(0-3.5)-082019		1215	6	S	X	X		X	X	X	X							
16		ROW-6(0-3.5)-082019		1225	6	S	X	X		X	X	X	X							
17		ROW-5(0-3.5)-082019		1235	6	S	X	X		X	X	X	X							
18		ROW-4(0-3.5)-082019		1245	6	S	X	X		X	X	X	X							
19		CC16-4(0-3.2)-082019		1255	6	S	X	X		X	X	X	X							
20		CC16-3(0-3.2)-082019		1205	6	S	X	X		X	X	X	X							

Turnaround Time Required (Business Days)

Requested Due Date:  1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CHI</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andres Sessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: SAME  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790

Chain of Custody Number: \_\_\_\_\_

Page 3 of 5

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>Weston</u>												
Project Name		Lab Project #		Date		Time		# of Containers		Matrix		
<u>DOT Willow Rd.</u>												
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix		
<u>Glennview/Prospect Acq/US</u>												
Sampler		Lab PM		Date		Time		# of Containers		Matrix		
<u>CiPeri</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	SUOCs	VOCS	Herbicides	Total Metals	TRUP/SPLP Metals	PH
<u>21</u>		<u>CC16-2(0-3.2)-082019</u>	<u>8/22/19</u>	<u>1315</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>22</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>23</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>24</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1125</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>25</u>		<u>CC4-2(0-3.0)-082019</u>		<u>1115</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>26</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1105</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Received By: <u>[Signature]</u>	Company: <u>TA-OUT</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: TA

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



# 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 305: Willow Road over Des Plaines River Office Phone Number, if available: \_\_\_\_\_

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

4000 block of Willow Road (ISGS Site No. 575V4-15)

City: Northbrook State: IL Zip Code: \_\_\_\_\_

County: Cook Township: \_\_\_\_\_

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

Latitude: 42.10945 Longitude: - 87.8863  
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS  Map Interpolation  Photo Interpolation  Survey  Other

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

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

Estimated Volume of debris (cu. Yd.): 1,478

### 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 CC15-1 THROUGH CC15-4, AND ROW-1 THROUGH ROW-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 575V4-15. SEE FIGURES 3-1 AND 3-2, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-168698-1.

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-168790-1.

ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

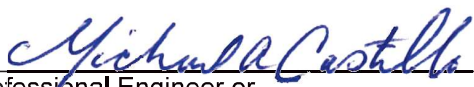
**IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist**

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

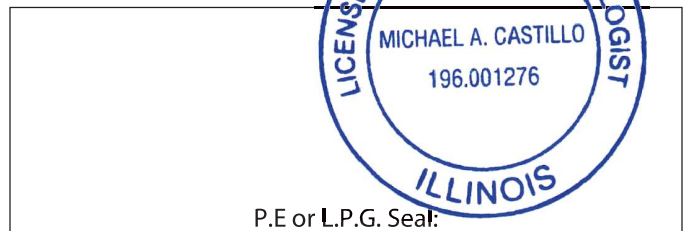
***Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))***

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

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

  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

8 November 2019  
Date:



**Summary Table of ISGS Site No. 575V4-15**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAP 305: Willow Road over Des Plaines River - Ramp B and Ramp D**  
**Glenview and Prospect Heights, Cook County, Illinois**

Location	CC15-1	CC15-2	CC15-3	CC15-4	CC15-4	ROW-1	ROW-2	ROW-3	Soil Reference Concentrations <sup>A</sup>
Sample Date	8/22/2019	8/22/2019	8/22/2019	8/22/2019	8/22/2019	8/21/2019	8/21/2019	8/21/2019	
Field Sample ID	CC15-1(0-2.7)-082219	CC15-2(0-2.7)-082219	CC15-3(0-2.7)-082219	CC15-4(0-2.7)-082219	CC15-4(0-2.7)-082219D	ROW-1(0-3.2)-082119	ROW-2(0-3.2)-082119	ROW-3(0-3.2)-082119	
ISGS Site Number	575V4-015	575V4-015	575V4-015	575V4-015	575V4-015	575V4-015	575V4-015	575V4-015	
Laboratory pH (s.u.)	8.9 J	8 J	8 J	8.6 J	8.7 J	8.4 J	8 J	7.9 J	<6.25; >9.0
Chloride (mg/kg)	na	na	na	na	na	na	na	na	4000
<b>VOCs (mg/kg)</b>	<b>None Detected</b>								
<b>SVOCs (mg/kg)</b>	<b>None Detected</b>								
Benzo(a)pyrene	0.074	0.015 J	0.042	0.014 J	0.01 J	0.084	0.074	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.11	0.014 J	0.059	0.017 J	ND	0.13	0.1	ND	0.9 / 1.5 / 2.1
<b>Total Metals (mg/kg)</b>									
Arsenic, Total	8.4	6.9	5.5	8.1	6.2	7.5	6.9	7	11.3 / 13.0
Beryllium, Total	0.38	0.44	0.74	0.33	0.42	0.46	0.48	0.46	22
Cadmium, Total	0.32 J	0.34 J	0.32 J	0.39 J	0.36 J	0.68 J	0.42 J	0.33 J	5.2
Chromium, Total	11	12	21	12	13	12	12	12	21
Cobalt, Total	10	10	11	8.9	10	10	9.5	10	20
Iron, Total	16000	17000	24000	16000	17000	17000 B	18000 B	19000 B	15000 / 15900
Lead, Total	16	18	19	27	28	38	29	13	107
Manganese, Total	560	500	250	470	440	520 B	480 B	490 B	630 / 636
Nickel, Total	24	25	31	22	25	23	23	24	100
Silver, Total	2.5	2.3	4.3	2.3	2.6	2.8 B	2.9 B	2.5 B	4.4
<b>TCLP Metals (mg/l)</b>									
Cadmium, TCLP	ND	0.002 J	ND	0.0021 J	0.002 J	0.0022 J	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	0.011 J	0.017 J	ND	ND	ND	1
Manganese, TCLP	0.95	0.87	0.52	1.8	1.9	0.022 J	2.2	1.5	0.15
Nickel, TCLP	ND	0.013 J	ND	0.017 J	0.026	ND	ND	0.015 J	0.1
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	0.05	ND	ND	0.02 J	0.029 J	0.022 J	ND	ND	0.05
Beryllium, SPLP	0.0076	ND	ND	ND	0.0045	0.0052	ND	ND	0.004
Cadmium, SPLP	0.0038 J	ND	ND	0.0029 J	0.0033 J	0.0031 J	ND	ND	0.005
Chromium, SPLP	0.17	ND	ND	0.065 J	0.11 J	0.1	ND	ND	0.1
Cobalt, SPLP	0.061	ND	ND	0.028	0.045	0.023 J	ND	ND	1
Iron, SPLP	160	ND	ND	54 J	110 J	85	4.4	ND	5
Lead, SPLP	0.065	ND	ND	0.033 J	0.065 J	0.095	ND	ND	0.0075
Manganese, SPLP	0.97	ND	ND	0.38	0.62	0.4	0.031	0.011 J	0.15
Nickel, SPLP	0.21	ND	ND	0.078 J	0.15 J	0.092	ND	ND	0.1
Silver, SPLP	0.017 J	ND	ND	ND	ND	0.011 J	ND	ND	0.05

**Notes:**

--- - not applicable or value not available.

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

J - Estimated concentration.

na - Constituent not analyzed.

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  
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Laboratory Job ID: 500-168790-1

Client Project/Site: IDOT-Glenview & Prospect Heights-WO 002  
Revision: 1

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
9/10/2019 3:23:18 PM

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*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-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-4(0-2.7)-082219**

**Lab Sample ID: 500-168790-7**

**Date Collected: 08/22/19 10:10**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Acetone	<16		16	6.9	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 02:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	08/22/19 19:45	08/31/19 02:49	1
4-Bromofluorobenzene (Surr)	105		75 - 131	08/22/19 19:45	08/31/19 02:49	1
Dibromofluoromethane	100		75 - 126	08/22/19 19:45	08/31/19 02:49	1
Toluene-d8 (Surr)	99		75 - 124	08/22/19 19:45	08/31/19 02:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-4(0-2.7)-082219**

**Lab Sample ID: 500-168790-7**

**Date Collected: 08/22/19 10:10**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2-Methylnaphthalene	<73		73	6.6	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
<b>Benzo[a]anthracene</b>	<b>11 J</b>		36	4.8	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
<b>Benzo[a]pyrene</b>	<b>14 J</b>		36	7.0	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
<b>Benzo[b]fluoranthene</b>	<b>17 J</b>		36	7.8	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Carbazole	<180		180	90	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
<b>Chrysene</b>	<b>29 J</b>		36	9.8	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
<b>Fluoranthene</b>	<b>19 J</b>		36	6.7	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Hexachlorobenzene	<73		73	8.3	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-4(0-2.7)-082219**

**Lab Sample ID: 500-168790-7**

Date Collected: 08/22/19 10:10

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 90.5

**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	<36		36	9.3	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Isophorone	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Naphthalene	<36		36	5.5	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
<b>Phenanthrene</b>	<b>33</b>	<b>J</b>	36	5.0	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Phenol	<180		180	80	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
<b>Pyrene</b>	<b>27</b>	<b>J</b>	36	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		31 - 143				08/29/19 07:38	08/30/19 16:20	1
2-Fluorobiphenyl	81		43 - 145				08/29/19 07:38	08/30/19 16:20	1
2-Fluorophenol	79		31 - 166				08/29/19 07:38	08/30/19 16:20	1
Nitrobenzene-d5	70		37 - 147				08/29/19 07:38	08/30/19 16:20	1
Phenol-d5	74		30 - 153				08/29/19 07:38	08/30/19 16:20	1
Terphenyl-d14	98		42 - 157				08/29/19 07:38	08/30/19 16:20	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 08:00	09/03/19 16:40	1
<b>Barium</b>	<b>0.37</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 16:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 16:40	1
<b>Cadmium</b>	<b>0.0021</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 16:40	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:40	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:40	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:40	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 16:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 16:40	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:40	1
<b>Nickel</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:40	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 16:40	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:40	1
<b>Zinc</b>	<b>0.14</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.020</b>	<b>J</b>	0.050	0.010	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Barium</b>	<b>0.21</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 07:55	09/03/19 18:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Cadmium</b>	<b>0.0029</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Chromium</b>	<b>0.065</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Cobalt</b>	<b>0.028</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Copper</b>	<b>0.092</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Iron</b>	<b>54</b>		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Lead</b>	<b>0.033</b>		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Manganese</b>	<b>0.38</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:56	1
<b>Nickel</b>	<b>0.078</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 18:56	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 18:56	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-4(0-2.7)-082219**

**Lab Sample ID: 500-168790-7**

Date Collected: 08/22/19 10:10

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 90.5

**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		09/03/19 07:55	09/03/19 18:56	1
Zinc	0.21	J	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 18:56	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.1	0.21	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Arsenic	8.1		0.54	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Barium	29		0.54	0.061	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Beryllium	0.33		0.21	0.050	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Cadmium	0.39	B	0.11	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Calcium	70000	B	54	9.1	mg/Kg	☼	08/29/19 17:20	09/03/19 15:09	5
Chromium	12		0.54	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Cobalt	8.9		0.27	0.070	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Copper	25		0.54	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Iron	16000		11	5.6	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Lead	27		0.27	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Magnesium	39000		27	13	mg/Kg	☼	08/29/19 17:20	09/03/19 15:09	5
Manganese	470		0.54	0.078	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Nickel	22		0.54	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Potassium	1800		27	9.5	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Selenium	0.35	J B	0.54	0.31	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Silver	2.3		0.27	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Sodium	640		54	7.9	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Thallium	0.65		0.54	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Vanadium	13		0.27	0.063	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1
Zinc	75		1.1	0.47	mg/Kg	☼	08/29/19 17:20	08/30/19 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 08:48	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		18	6.0	ug/Kg	☼	08/28/19 13:50	08/29/19 08:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			08/28/19 16:12	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-4(0-2.7)-082219D**

**Lab Sample ID: 500-168790-8**

**Date Collected: 08/22/19 10:10**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Acetone	<17		17	7.4	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/22/19 19:45	08/31/19 03:14	1
4-Bromofluorobenzene (Surr)	109		75 - 131	08/22/19 19:45	08/31/19 03:14	1
Dibromofluoromethane	99		75 - 126	08/22/19 19:45	08/31/19 03:14	1
Toluene-d8 (Surr)	104		75 - 124	08/22/19 19:45	08/31/19 03:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-4(0-2.7)-082219D**

**Lab Sample ID: 500-168790-8**

**Date Collected: 08/22/19 10:10**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2-Methylnaphthalene	<73		73	6.7	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
<b>Benzo[a]pyrene</b>	<b>10 J</b>		36	7.0	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
<b>Benzo[g,h,i]perylene</b>	<b>18 J</b>		36	12	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Carbazole	<180		180	91	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
<b>Chrysene</b>	<b>21 J</b>		36	9.9	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
<b>Fluoranthene</b>	<b>13 J</b>		36	6.7	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-4(0-2.7)-082219D**

**Lab Sample ID: 500-168790-8**

Date Collected: 08/22/19 10:10

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 90.5

**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	<36		36	9.4	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Isophorone	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
<b>Phenanthrene</b>	<b>13</b>	<b>J</b>	36	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
Phenol	<180		180	81	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1
<b>Pyrene</b>	<b>25</b>	<b>J</b>	36	7.2	ug/Kg	☼	08/29/19 07:38	08/30/19 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		31 - 143	08/29/19 07:38	08/30/19 16:45	1
2-Fluorobiphenyl	97		43 - 145	08/29/19 07:38	08/30/19 16:45	1
2-Fluorophenol	95		31 - 166	08/29/19 07:38	08/30/19 16:45	1
Nitrobenzene-d5	83		37 - 147	08/29/19 07:38	08/30/19 16:45	1
Phenol-d5	88		30 - 153	08/29/19 07:38	08/30/19 16:45	1
Terphenyl-d14	115		42 - 157	08/29/19 07:38	08/30/19 16:45	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		09/03/19 08:00	09/03/19 16:44	1
<b>Barium</b>	<b>0.32</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 16:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 16:44	1
<b>Cadmium</b>	<b>0.0020</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 16:44	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:44	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:44	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:44	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 16:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 16:44	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:44	1
<b>Nickel</b>	<b>0.026</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:44	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 16:44	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:44	1
<b>Zinc</b>	<b>0.62</b>	<b>B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.029</b>	<b>J</b>	0.050	0.010	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Barium</b>	<b>0.41</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Beryllium</b>	<b>0.0045</b>		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Cadmium</b>	<b>0.0033</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Chromium</b>	<b>0.11</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Cobalt</b>	<b>0.045</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Copper</b>	<b>0.14</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Iron</b>	<b>110</b>		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Lead</b>	<b>0.065</b>		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Manganese</b>	<b>0.62</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:00	1
<b>Nickel</b>	<b>0.15</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:00	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:00	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-4(0-2.7)-082219D**

**Lab Sample ID: 500-168790-8**

Date Collected: 08/22/19 10:10

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 90.5

**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		09/03/19 07:55	09/03/19 19:00	1
Zinc	0.54		0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:00	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	1.1	0.20	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Arsenic	6.2		0.53	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Barium	33		0.53	0.060	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Beryllium	0.42		0.21	0.049	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Cadmium	0.36	B	0.11	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Calcium	72000	B	53	8.9	mg/Kg	☼	08/29/19 17:20	09/03/19 15:13	5
Chromium	13		0.53	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Cobalt	10		0.26	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Copper	24		0.53	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Iron	17000		11	5.5	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Lead	28		0.26	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Magnesium	39000		26	13	mg/Kg	☼	08/29/19 17:20	09/03/19 15:13	5
Manganese	440		0.53	0.076	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Nickel	25		0.53	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Potassium	2300		26	9.3	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Selenium	0.56	B	0.53	0.31	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Silver	2.6		0.26	0.068	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Sodium	690		53	7.8	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Thallium	0.65		0.53	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Vanadium	15		0.26	0.062	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1
Zinc	79		1.1	0.46	mg/Kg	☼	08/29/19 17:20	08/30/19 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33		0.33	0.33	ug/L		09/03/19 10:15	09/04/19 08:49	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		18	5.9	ug/Kg	☼	08/28/19 13:50	08/29/19 08:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			08/28/19 16:18	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-3(0-2.7)-082219**

**Lab Sample ID: 500-168790-9**

**Date Collected: 08/22/19 10:25**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 81.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
1,1,2-Trichloroethane	<1.8		1.8	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
1,2-Dichloropropane	<1.8		1.8	0.45	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Acetone	<18		18	7.7	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Trichloroethene	<1.8		1.8	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	08/22/19 19:45	08/31/19 03:40	1
4-Bromofluorobenzene (Surr)	91		75 - 131	08/22/19 19:45	08/31/19 03:40	1
Dibromofluoromethane	100		75 - 126	08/22/19 19:45	08/31/19 03:40	1
Toluene-d8 (Surr)	95		75 - 124	08/22/19 19:45	08/31/19 03:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-3(0-2.7)-082219**

**Lab Sample ID: 500-168790-9**

**Date Collected: 08/22/19 10:25**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 81.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2-Methylphenol	<200		200	64	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Anthracene	<39		39	6.6	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Benzo[a]anthracene</b>	<b>38</b>	<b>J</b>	39	5.3	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Benzo[a]pyrene</b>	<b>42</b>		39	7.7	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Benzo[b]fluoranthene</b>	<b>59</b>		39	8.6	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Benzo[g,h,i]perylene</b>	<b>24</b>	<b>J</b>	39	13	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Benzo[k]fluoranthene</b>	<b>23</b>	<b>J</b>	39	12	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Carbazole	<200		200	99	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Chrysene</b>	<b>46</b>		39	11	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Fluoranthene</b>	<b>65</b>		39	7.4	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Fluorene	<39		39	5.6	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-3(0-2.7)-082219**

**Lab Sample ID: 500-168790-9**

Date Collected: 08/22/19 10:25

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>24</b>	<b>J</b>	39	10	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Isophorone	<200		200	45	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Naphthalene	<39		39	6.1	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Phenanthrene</b>	<b>25</b>	<b>J</b>	39	5.5	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
Phenol	<200		200	88	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Pyrene</b>	<b>66</b>		39	7.9	ug/Kg	☼	08/29/19 07:38	08/30/19 17:10	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	69		31 - 143				08/29/19 07:38	08/30/19 17:10	1
2-Fluorobiphenyl	79		43 - 145				08/29/19 07:38	08/30/19 17:10	1
2-Fluorophenol	80		31 - 166				08/29/19 07:38	08/30/19 17:10	1
Nitrobenzene-d5	70		37 - 147				08/29/19 07:38	08/30/19 17:10	1
Phenol-d5	76		30 - 153				08/29/19 07:38	08/30/19 17:10	1
Terphenyl-d14	102		42 - 157				08/29/19 07:38	08/30/19 17:10	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 08:00	09/03/19 16:48	1
<b>Barium</b>	<b>0.28</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 16:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 16:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 16:48	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:48	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:48	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:48	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 16:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 16:48	1
<b>Manganese</b>	<b>0.52</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:48	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:48	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 16:48	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:48	1
<b>Zinc</b>	<b>0.20</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 16:48	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		09/03/19 07:55	09/03/19 19:04	1
Barium	<0.50		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:04	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:04	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:04	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:04	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:04	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:04	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:04	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:04	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-3(0-2.7)-082219**

**Lab Sample ID: 500-168790-9**

Date Collected: 08/22/19 10:25

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:04	1
<b>Zinc</b>	<b>0.020</b>	<b>J</b>	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Arsenic</b>	<b>5.5</b>		0.60	0.20	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Barium</b>	<b>72</b>		0.60	0.068	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Beryllium</b>	<b>0.74</b>		0.24	0.056	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Cadmium</b>	<b>0.32</b>	<b>B</b>	0.12	0.021	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Calcium</b>	<b>33000</b>	<b>B</b>	12	2.0	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Chromium</b>	<b>21</b>		0.60	0.29	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Cobalt</b>	<b>11</b>		0.30	0.078	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Copper</b>	<b>21</b>		0.60	0.17	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Iron</b>	<b>24000</b>		12	6.2	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Lead</b>	<b>19</b>		0.30	0.14	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Magnesium</b>	<b>16000</b>		6.0	3.0	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Manganese</b>	<b>250</b>		0.60	0.086	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Nickel</b>	<b>31</b>		0.60	0.17	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Potassium</b>	<b>3200</b>		30	11	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Silver</b>	<b>4.3</b>		0.30	0.077	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Sodium</b>	<b>940</b>		60	8.8	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Thallium</b>	<b>1.2</b>		0.60	0.30	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Vanadium</b>	<b>27</b>		0.30	0.070	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1
<b>Zinc</b>	<b>77</b>		1.2	0.52	mg/Kg	☼	08/29/19 17:20	08/30/19 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 08:51	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>29</b>		20	6.5	ug/Kg	☼	08/28/19 13:50	08/29/19 08:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.0</b>		0.2	0.2	SU			08/28/19 16:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-2(0-2.7)-082219**

**Lab Sample ID: 500-168790-10**

**Date Collected: 08/22/19 10:40**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Acetone	<17		17	7.4	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 04:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	08/22/19 19:45	08/31/19 04:05	1
4-Bromofluorobenzene (Surr)	99		75 - 131	08/22/19 19:45	08/31/19 04:05	1
Dibromofluoromethane	100		75 - 126	08/22/19 19:45	08/31/19 04:05	1
Toluene-d8 (Surr)	98		75 - 124	08/22/19 19:45	08/31/19 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-2(0-2.7)-082219**

**Lab Sample ID: 500-168790-10**

**Date Collected: 08/22/19 10:40**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Benzo[a]anthracene</b>	<b>12 J</b>		36	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Benzo[a]pyrene</b>	<b>15 J</b>		36	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Benzo[b]fluoranthene</b>	<b>14 J</b>		36	7.9	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Benzo[g,h,i]perylene</b>	<b>15 J</b>		36	12	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Benzo[k]fluoranthene</b>	<b>13 J</b>		36	11	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Carbazole	<180		180	91	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Chrysene</b>	<b>22 J</b>		36	10	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Fluoranthene</b>	<b>17 J</b>		36	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-2(0-2.7)-082219**

**Lab Sample ID: 500-168790-10**

**Date Collected: 08/22/19 10:40**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

**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	<36		36	9.5	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Isophorone	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Phenanthrene</b>	<b>11</b>	<b>J</b>	36	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Phenol	<180		180	81	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
<b>Pyrene</b>	<b>22</b>	<b>J</b>	36	7.2	ug/Kg	☼	08/29/19 07:38	08/30/19 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		31 - 143				08/29/19 07:38	08/30/19 17:36	1
2-Fluorobiphenyl	90		43 - 145				08/29/19 07:38	08/30/19 17:36	1
2-Fluorophenol	89		31 - 166				08/29/19 07:38	08/30/19 17:36	1
Nitrobenzene-d5	80		37 - 147				08/29/19 07:38	08/30/19 17:36	1
Phenol-d5	86		30 - 153				08/29/19 07:38	08/30/19 17:36	1
Terphenyl-d14	112		42 - 157				08/29/19 07:38	08/30/19 17:36	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		09/03/19 08:00	09/03/19 16:53	1
<b>Barium</b>	<b>0.11</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 16:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 16:53	1
<b>Cadmium</b>	<b>0.0020</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 16:53	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:53	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:53	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:53	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 16:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 16:53	1
<b>Manganese</b>	<b>0.87</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:53	1
<b>Nickel</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:53	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 16:53	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 16:53	1
<b>Zinc</b>	<b>0.059</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 16:53	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		09/03/19 07:55	09/03/19 19:16	1
Barium	<0.50		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:16	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:16	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:16	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:16	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:16	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:16	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:16	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:16	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-2(0-2.7)-082219**

**Lab Sample ID: 500-168790-10**

Date Collected: 08/22/19 10:40

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 90.5

**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		09/03/19 07:55	09/03/19 19:16	1
Zinc	0.13	J	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:16	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	1.1	0.21	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Arsenic	6.9		0.55	0.19	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Barium	37		0.55	0.062	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Beryllium	0.44		0.22	0.051	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Cadmium	0.34	B	0.11	0.020	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Calcium	81000	B	55	9.3	mg/Kg	☼	08/29/19 17:20	09/03/19 15:17	5
Chromium	12		0.55	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Cobalt	10		0.27	0.072	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Copper	23		0.55	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Iron	17000		11	5.7	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Lead	18		0.27	0.13	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Magnesium	44000		27	14	mg/Kg	☼	08/29/19 17:20	09/03/19 15:17	5
Manganese	500		0.55	0.079	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Nickel	25		0.55	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Potassium	2400		27	9.7	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Selenium	0.56	B	0.55	0.32	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Silver	2.3		0.27	0.070	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Sodium	510		55	8.1	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Thallium	0.53	J	0.55	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Vanadium	15		0.27	0.064	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1
Zinc	70		1.1	0.48	mg/Kg	☼	08/29/19 17:20	08/30/19 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 09:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 08:52	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	18	5.9	ug/Kg	☼	08/28/19 13:50	08/29/19 08:14	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			08/30/19 10:49	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-1(0-2.7)-082219**

**Lab Sample ID: 500-168790-11**

**Date Collected: 08/22/19 10:50**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
1,1-Dichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
1,1-Dichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
1,3-Dichloropropene, Total	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Acetone	<16		16	6.8	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Bromoform	<1.6		1.6	0.45	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Chlorobenzene	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
cis-1,2-Dichloroethene	<1.6		1.6	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Ethylbenzene	<1.6		1.6	0.74	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Toluene	<1.6		1.6	0.39	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
trans-1,3-Dichloropropene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Trichloroethene	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	08/22/19 19:45	08/31/19 04:30	1
4-Bromofluorobenzene (Surr)	96		75 - 131	08/22/19 19:45	08/31/19 04:30	1
Dibromofluoromethane	99		75 - 126	08/22/19 19:45	08/31/19 04:30	1
Toluene-d8 (Surr)	99		75 - 124	08/22/19 19:45	08/31/19 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-1(0-2.7)-082219**

**Lab Sample ID: 500-168790-11**

**Date Collected: 08/22/19 10:50**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2-Methylnaphthalene	<71		71	6.5	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Anthracene</b>	<b>15</b>	<b>J</b>	35	5.9	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Benzo[a]anthracene</b>	<b>74</b>		35	4.8	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Benzo[a]pyrene</b>	<b>74</b>		35	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Benzo[b]fluoranthene</b>	<b>110</b>		35	7.6	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Benzo[g,h,i]perylene</b>	<b>39</b>		35	11	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Benzo[k]fluoranthene</b>	<b>35</b>		35	10	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Carbazole	<180		180	88	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Chrysene</b>	<b>100</b>		35	9.6	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Fluoranthene</b>	<b>170</b>		35	6.6	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-1(0-2.7)-082219**

**Lab Sample ID: 500-168790-11**

Date Collected: 08/22/19 10:50

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>38</b>		35	9.2	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Isophorone	<180		180	40	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Phenanthrene</b>	<b>100</b>		35	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Phenol	<180		180	79	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
<b>Pyrene</b>	<b>160</b>		35	7.0	ug/Kg	☼	08/29/19 07:38	08/30/19 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		31 - 143				08/29/19 07:38	08/30/19 18:01	1
2-Fluorobiphenyl	83		43 - 145				08/29/19 07:38	08/30/19 18:01	1
2-Fluorophenol	83		31 - 166				08/29/19 07:38	08/30/19 18:01	1
Nitrobenzene-d5	73		37 - 147				08/29/19 07:38	08/30/19 18:01	1
Phenol-d5	80		30 - 153				08/29/19 07:38	08/30/19 18:01	1
Terphenyl-d14	114		42 - 157				08/29/19 07:38	08/30/19 18:01	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		09/03/19 08:00	09/03/19 17:05	1
<b>Barium</b>	<b>0.46</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 17:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 17:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 17:05	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:05	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:05	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:05	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 17:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 17:05	1
<b>Manganese</b>	<b>0.95</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:05	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:05	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 17:05	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:05	1
<b>Zinc</b>	<b>0.24</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.050</b>		0.050	0.010	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Barium</b>	<b>0.80</b>		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Beryllium</b>	<b>0.0076</b>		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Cadmium</b>	<b>0.0038</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Chromium</b>	<b>0.17</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Cobalt</b>	<b>0.061</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Copper</b>	<b>0.22</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Iron</b>	<b>160</b>		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Lead</b>	<b>0.065</b>		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Manganese</b>	<b>0.97</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:20	1
<b>Nickel</b>	<b>0.21</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:20	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:20	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC15-1(0-2.7)-082219**

**Lab Sample ID: 500-168790-11**

Date Collected: 08/22/19 10:50

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.017	J	0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:20	1
Zinc	0.47	J	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:20	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	1.1	0.21	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Arsenic	8.4		0.53	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Barium	34		0.53	0.060	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Beryllium	0.38		0.21	0.049	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Cadmium	0.32	B	0.11	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Calcium	75000	B	53	9.0	mg/Kg	☼	08/29/19 17:20	09/03/19 15:21	5
Chromium	11		0.53	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Cobalt	10		0.26	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Copper	24		0.53	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Iron	16000		11	5.5	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Lead	16		0.26	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Magnesium	42000		26	13	mg/Kg	☼	08/29/19 17:20	09/03/19 15:21	5
Manganese	560		0.53	0.077	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Nickel	24		0.53	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Potassium	2000		26	9.4	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Selenium	0.63	B	0.53	0.31	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Silver	2.5		0.26	0.068	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Sodium	850		53	7.8	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Thallium	0.73		0.53	0.26	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Vanadium	14		0.26	0.062	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1
Zinc	58		1.1	0.46	mg/Kg	☼	08/29/19 17:20	08/30/19 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		09/03/19 10:15	09/04/19 08:57	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	17	5.7	ug/Kg	☼	08/28/19 13:50	08/29/19 08:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			08/30/19 10:55	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## 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
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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. The data are considered valid because the absolute difference is less than the 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60  
Phone: 708.534.5200 Fax: 708.534



500-168790 COC

Report To (optional)  
Contact: Andres Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: Andres-Slessers@weston.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SAHF  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO# Reference#

## Chain of Custody Record

Lab Job #: 500-168790

Chain of Custody Number: \_\_\_\_\_

Page 1 of 3

Temperature °C of Cooler: 49.59/49

Client		Client Project #		Preservative		Parameter												Preservative Key		
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		# of Containers		Matrix												Comments		
<u>IDOT Willow Rd.</u>																				
Project Location/State		Lab PM		Date		Time														
<u>Glennview/Prospect Arches/IL</u>																				
Sampler		Sample ID		Date		Time														
<u>C. Pence</u>																				
1	MS/MSD	<u>IPS-1 (0-3.2)-082219</u>		<u>8/22/19</u>	<u>0830</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
2		<u>IPS-2 (0-3.2)-082219</u>			<u>0840</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
3		<u>CC10-1(0-3.2)-082219</u>			<u>0850</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
4		<u>CC15-7(0-2.7)-082219</u>			<u>0935</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
5		<u>CC15-6(0-2.7)-082219</u>			<u>0945</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
6		<u>CC15-5(0-2.7)-082219</u>			<u>0955</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
7		<u>CC15-4(0-2.7)-082219</u>			<u>1010</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
8		<u>CC15-4(0-2.7)-082219</u>			<u>1010</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
9		<u>CC15-3(0-2.7)-082219</u>			<u>1025</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
10		<u>CC15-2(0-2.7)-082219</u>			<u>1040</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>SA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>
Relinquished By: <u>[Signature]</u>	Company: <u>SA</u>	Date: <u>8/22/19</u>	Time: <u>1510</u>	Received By: <u>[Signature]</u>	Company: <u>SA-COPI</u>	Date: <u>8/22/19</u>	Time: <u>1510</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: TA

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Stessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: Stamp  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 3  
Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Project Location/State		Lab Project #		Lab PM												Comments	
<u>IDOT W. Main Road</u>		<u>Glenview/Rosnet Heights</u>																	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	SVOCS	VOCs	Herbicides	Total	Metals	PCUP/SPUP	Metals	PH					
11		CC15-1(0-2.7)-082019	8/22/19	1050	6	S	X	X		X	X	X	X						
12		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X	X						
13		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X	X						
14		ROW-8(0-3.5)-082019		1205	6	S	X	X		X	X	X	X						
15		ROW-7(0-3.5)-082019		1215	6	S	X	X		X	X	X	X						
16		ROW-6(0-3.5)-082019		1225	6	S	X	X		X	X	X	X						
17		ROW-5(0-3.5)-082019		1235	6	S	X	X		X	X	X	X						
18		ROW-4(0-3.5)-082019		1245	6	S	X	X		X	X	X	X						
19		CC16-4(0-3.2)-082019		1255	6	S	X	X		X	X	X	X						
20		CC16-3(0-3.2)-082019		1205	6	S	X	X		X	X	X	X						

Turnaround Time Required (Business Days)

Requested Due Date:  1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/22/19</u> Time: <u>1405</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>1405</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>1810</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHI</u> Date: <u>8/22/19</u> Time: <u>1810</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andres Sessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: SAME  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790

Chain of Custody Number: \_\_\_\_\_

Page 3 of 5

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>Weston</u>												
Project Name		Lab Project #		Date		Time		# of Containers		Matrix		
<u>DOT Willow Rd.</u>												
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix		
<u>Glennview/Prospect ACQUIS</u>												
Sampler		Lab PM		Date		Time		# of Containers		Matrix		
<u>CiPeri</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	SVOCs	VOCs	Herbicides	Total Metals	TRUP/SPLP Metals	pH
<u>21</u>		<u>CC16-2(0-3.2)-082019</u>	<u>8/22/19</u>	<u>1315</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>22</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>23</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>24</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1125</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>25</u>		<u>CC4-2(0-3.0)-082019</u>		<u>1115</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>26</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1105</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>

- Preservative Key
1. HCL, Cool to 4°
  2. H2SO4, Cool to 4°
  3. HNO3, Cool to 4°
  4. NaOH, Cool to 4°
  5. NaOH/Zn, Cool to 4°
  6. NaHSO4
  7. Cool to 4°
  8. None
  9. Other

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Received By: <u>[Signature]</u>	Company: <u>TA-OUT</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: TA

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-168698-1

Client Project/Site: IDOT-Glenview & Prospect Heights-WO 002

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
9/7/2019 6:34:19 AM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
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Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-1(0-3.2)-082119**

**Lab Sample ID: 500-168698-16**

Date Collected: 08/21/19 11:45

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Acetone	<17		17	7.4	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	08/22/19 17:18	08/30/19 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/22/19 17:18	08/30/19 17:12	1
4-Bromofluorobenzene (Surr)	93		75 - 131	08/22/19 17:18	08/30/19 17:12	1
Dibromofluoromethane	97		75 - 126	08/22/19 17:18	08/30/19 17:12	1
Toluene-d8 (Surr)	99		75 - 124	08/22/19 17:18	08/30/19 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-1(0-3.2)-082119**

**Lab Sample ID: 500-168698-16**

Date Collected: 08/21/19 11:45

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Anthracene</b>	<b>17</b>	<b>J</b>	39	6.5	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Benzo[a]anthracene</b>	<b>86</b>		39	5.3	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Benzo[a]pyrene</b>	<b>84</b>		39	7.6	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Benzo[b]fluoranthene</b>	<b>130</b>		39	8.4	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Benzo[g,h,i]perylene</b>	<b>26</b>	<b>J</b>	39	13	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Benzo[k]fluoranthene</b>	<b>44</b>		39	12	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Carbazole	<200		200	98	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Chrysene</b>	<b>100</b>		39	11	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Fluoranthene</b>	<b>140</b>		39	7.2	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Hexachlorobenzene	<79	*	79	9.1	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Hexachloroethane	<200		200	59	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-1(0-3.2)-082119**

**Lab Sample ID: 500-168698-16**

Date Collected: 08/21/19 11:45

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>28</b>	<b>J</b>	39	10	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Isophorone	<200		200	44	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Naphthalene	<39		39	6.0	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Phenanthrene</b>	<b>67</b>		39	5.4	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
Phenol	<200		200	87	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Pyrene</b>	<b>150</b>		39	7.8	ug/Kg	☼	08/28/19 07:56	08/29/19 16:34	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	87		31 - 143				08/28/19 07:56	08/29/19 16:34	1
2-Fluorobiphenyl	90		43 - 145				08/28/19 07:56	08/29/19 16:34	1
2-Fluorophenol	83		31 - 166				08/28/19 07:56	08/29/19 16:34	1
Nitrobenzene-d5	76		37 - 147				08/28/19 07:56	08/29/19 16:34	1
Phenol-d5	84		30 - 153				08/28/19 07:56	08/29/19 16:34	1
Terphenyl-d14	117		42 - 157				08/28/19 07:56	08/29/19 16:34	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		08/28/19 15:06	08/29/19 11:24	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		08/28/19 15:06	08/29/19 11:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:06	08/29/19 11:24	1
<b>Cadmium</b>	<b>0.0022</b>	<b>J</b>	0.0050	0.0020	mg/L		08/28/19 15:06	08/29/19 11:24	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:24	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:24	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:24	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:06	08/29/19 19:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:06	08/29/19 11:24	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:06	08/29/19 19:29	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:06	08/29/19 11:24	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:24	1
<b>Zinc</b>	<b>0.17</b>	<b>J</b>	0.50	0.020	mg/L		08/28/19 15:06	08/29/19 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.022</b>	<b>J</b>	0.050	0.010	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Beryllium</b>	<b>0.0052</b>		0.0040	0.0040	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Cadmium</b>	<b>0.0031</b>	<b>J</b>	0.0050	0.0020	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Chromium</b>	<b>0.10</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Cobalt</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Copper</b>	<b>0.087</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Iron</b>	<b>85</b>		0.40	0.20	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Lead</b>	<b>0.095</b>		0.0075	0.0075	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Manganese</b>	<b>0.40</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:18	1
<b>Nickel</b>	<b>0.092</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:18	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:03	08/29/19 11:18	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-1(0-3.2)-082119**

**Lab Sample ID: 500-168698-16**

Date Collected: 08/21/19 11:45

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:18	1
Zinc	0.94		0.50	0.020	mg/L		08/28/19 15:03	08/29/19 11:18	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.1	0.22	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Arsenic	7.5		0.57	0.20	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Barium	51		0.57	0.065	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Beryllium	0.46		0.23	0.053	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Cadmium	0.68	B	0.11	0.021	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Calcium	71000	B	57	9.7	mg/Kg	☼	08/28/19 16:32	08/29/19 16:38	5
Chromium	12		0.57	0.28	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Cobalt	10		0.29	0.075	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Copper	27		0.57	0.16	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Iron	17000	B	11	5.9	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Lead	38		0.29	0.13	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Magnesium	40000	B	29	14	mg/Kg	☼	08/28/19 16:32	08/29/19 16:38	5
Manganese	520	B	0.57	0.083	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Nickel	23		0.57	0.17	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Potassium	2400		29	10	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Selenium	0.70		0.57	0.34	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Silver	2.8	B	0.29	0.074	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Sodium	230		57	8.5	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Thallium	0.62		0.57	0.29	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Vanadium	17		0.29	0.067	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1
Zinc	69		1.1	0.50	mg/Kg	☼	08/28/19 16:32	08/29/19 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/30/19 10:25	09/03/19 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 11:47	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		19	6.4	ug/Kg	☼	08/27/19 15:30	08/28/19 10:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			08/26/19 15:51	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-2(0-3.2)-082119**

**Lab Sample ID: 500-168698-17**

Date Collected: 08/21/19 11:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 71.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.3		2.3	0.78	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
1,1,2,2-Tetrachloroethane	<2.3		2.3	0.75	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
1,1,2-Trichloroethane	<2.3		2.3	1.0	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
1,1-Dichloroethane	<2.3		2.3	0.80	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
1,1-Dichloroethene	<2.3		2.3	0.80	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
1,2-Dichloroethane	<5.8		5.8	1.8	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
1,2-Dichloropropane	<2.3		2.3	0.60	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
1,3-Dichloropropene, Total	<2.3		2.3	0.82	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Acetone	<23		23	10	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Benzene	<2.3		2.3	0.60	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Bromodichloromethane	<2.3		2.3	0.48	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Bromoform	<2.3		2.3	0.68	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Bromomethane	<5.8		5.8	2.2	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Carbon disulfide	<5.8		5.8	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Carbon tetrachloride	<2.3		2.3	0.68	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Chlorobenzene	<2.3		2.3	0.86	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Chloroethane	<5.8		5.8	1.7	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Chloroform	<2.3		2.3	0.81	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Chloromethane	<5.8		5.8	2.4	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
cis-1,2-Dichloroethene	<2.3		2.3	0.65	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
cis-1,3-Dichloropropene	<2.3		2.3	0.71	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Dibromochloromethane	<2.3		2.3	0.76	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Ethylbenzene	<2.3		2.3	1.1	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Methyl Ethyl Ketone	<5.8		5.8	2.6	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
methyl isobutyl ketone	<5.8		5.8	1.7	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Methyl tert-butyl ether	<2.3		2.3	0.69	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Methylene Chloride	<5.8		5.8	2.3	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Styrene	<2.3		2.3	0.71	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Tetrachloroethene	<2.3		2.3	0.80	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Toluene	<2.3		2.3	0.59	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
trans-1,2-Dichloroethene	<2.3		2.3	1.0	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
trans-1,3-Dichloropropene	<2.3		2.3	0.82	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Trichloroethene	<2.3		2.3	0.79	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Vinyl chloride	<2.3		2.3	1.0	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1
Xylenes, Total	<4.7		4.7	0.75	ug/Kg	☼	08/22/19 17:18	08/30/19 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	08/22/19 17:18	08/30/19 17:37	1
4-Bromofluorobenzene (Surr)	91		75 - 131	08/22/19 17:18	08/30/19 17:37	1
Dibromofluoromethane	100		75 - 126	08/22/19 17:18	08/30/19 17:37	1
Toluene-d8 (Surr)	98		75 - 124	08/22/19 17:18	08/30/19 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<230		230	49	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
1,2-Dichlorobenzene	<230		230	54	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
1,3-Dichlorobenzene	<230		230	51	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
1,4-Dichlorobenzene	<230		230	58	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2,2'-oxybis[1-chloropropane]	<230		230	52	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1

Eurofins TestAmerica, Chicago

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Job ID: 500-168698-1

**Client Sample ID: ROW-2(0-3.2)-082119**

**Lab Sample ID: 500-168698-17**

Date Collected: 08/21/19 11:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 71.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<450		450	100	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2,4,6-Trichlorophenol	<450		450	150	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2,4-Dichlorophenol	<450		450	110	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2,4-Dimethylphenol	<450		450	170	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2,4-Dinitrophenol	<910		910	790	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2,4-Dinitrotoluene	<230		230	72	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2,6-Dinitrotoluene	<230		230	89	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2-Chloronaphthalene	<230		230	50	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2-Chlorophenol	<230		230	77	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2-Methylnaphthalene	<91		91	8.3	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2-Methylphenol	<230		230	72	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2-Nitroaniline	<230		230	61	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
2-Nitrophenol	<450		450	110	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
3 & 4 Methylphenol	<230		230	75	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
3,3'-Dichlorobenzidine	<230		230	63	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
3-Nitroaniline	<450		450	140	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
4,6-Dinitro-2-methylphenol	<910		910	360	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
4-Bromophenyl phenyl ether	<230		230	59	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
4-Chloro-3-methylphenol	<450		450	150	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
4-Chloroaniline	<910		910	210	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
4-Chlorophenyl phenyl ether	<230		230	53	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
4-Nitroaniline	<450		450	190	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
4-Nitrophenol	<910		910	430	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Acenaphthene	<45		45	8.1	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Acenaphthylene	<45		45	5.9	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Anthracene</b>	<b>11</b>	<b>J</b>	45	7.5	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Benzo[a]anthracene</b>	<b>66</b>		45	6.1	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Benzo[a]pyrene</b>	<b>74</b>		45	8.7	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Benzo[b]fluoranthene</b>	<b>100</b>		45	9.7	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Benzo[g,h,i]perylene</b>	<b>32</b>	<b>J</b>	45	15	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Benzo[k]fluoranthene</b>	<b>45</b>		45	13	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Bis(2-chloroethoxy)methane	<230		230	46	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Bis(2-chloroethyl)ether	<230		230	68	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Bis(2-ethylhexyl) phthalate	<230		230	82	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Butyl benzyl phthalate	<230		230	86	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Carbazole	<230		230	110	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Chrysene</b>	<b>95</b>		45	12	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Dibenz(a,h)anthracene	<45		45	8.7	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Dibenzofuran	<230		230	53	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Diethyl phthalate	<230		230	76	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Dimethyl phthalate	<230		230	59	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Di-n-butyl phthalate	<230		230	69	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Di-n-octyl phthalate	<230		230	74	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Fluoranthene</b>	<b>110</b>		45	8.4	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Fluorene	<45		45	6.3	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Hexachlorobenzene	<91 *		91	10	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Hexachlorobutadiene	<230		230	71	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Hexachlorocyclopentadiene	<910		910	260	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Hexachloroethane	<230		230	69	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-2(0-3.2)-082119**

**Lab Sample ID: 500-168698-17**

Date Collected: 08/21/19 11:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 71.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>40</b>	<b>J</b>	45	12	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Isophorone	<230		230	51	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Naphthalene	<45		45	6.9	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Nitrobenzene	<45		45	11	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
N-Nitrosodi-n-propylamine	<91		91	55	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
N-Nitrosodiphenylamine	<230		230	53	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Pentachlorophenol	<910		910	720	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Phenanthrene</b>	<b>47</b>		45	6.3	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
Phenol	<230		230	100	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Pyrene</b>	<b>110</b>		45	9.0	ug/Kg	☼	08/28/19 07:56	08/28/19 23:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	97		31 - 143				08/28/19 07:56	08/28/19 23:00	1
<i>2-Fluorobiphenyl</i>	88		43 - 145				08/28/19 07:56	08/28/19 23:00	1
<i>2-Fluorophenol</i>	80		31 - 166				08/28/19 07:56	08/28/19 23:00	1
<i>Nitrobenzene-d5</i>	81		37 - 147				08/28/19 07:56	08/28/19 23:00	1
<i>Phenol-d5</i>	72		30 - 153				08/28/19 07:56	08/28/19 23:00	1
<i>Terphenyl-d14</i>	106		42 - 157				08/28/19 07:56	08/28/19 23:00	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		08/28/19 15:06	08/29/19 11:28	1
<b>Barium</b>	<b>0.29</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:06	08/29/19 11:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:06	08/29/19 11:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:06	08/29/19 11:28	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:28	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:28	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:28	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:06	08/29/19 19:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:06	08/29/19 11:28	1
<b>Manganese</b>	<b>2.2</b>		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 19:33	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:28	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:06	08/29/19 11:28	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:28	1
<b>Zinc</b>	<b>0.055</b>	<b>J</b>	0.50	0.020	mg/L		08/28/19 15:06	08/29/19 11:28	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		08/28/19 15:03	08/29/19 11:22	1
Barium	<0.50		0.50	0.050	mg/L		08/28/19 15:03	08/29/19 11:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:03	08/29/19 11:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:03	08/29/19 11:22	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:22	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:22	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:22	1
<b>Iron</b>	<b>4.4</b>		0.40	0.20	mg/L		08/28/19 15:03	08/29/19 11:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:03	08/29/19 11:22	1
<b>Manganese</b>	<b>0.031</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:22	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:03	08/29/19 11:22	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-2(0-3.2)-082119**

**Lab Sample ID: 500-168698-17**

Date Collected: 08/21/19 11:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 71.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:22	1
Zinc	0.11	J	0.50	0.020	mg/L		08/28/19 15:03	08/29/19 11:22	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J	1.4	0.27	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Arsenic	6.9		0.69	0.24	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Barium	56		0.69	0.079	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Beryllium	0.48		0.28	0.065	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Cadmium	0.42	B	0.14	0.025	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Calcium	58000	B	69	12	mg/Kg	☼	08/28/19 16:32	08/29/19 16:42	5
Chromium	13		0.69	0.34	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Cobalt	9.5		0.35	0.091	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Copper	23		0.69	0.19	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Iron	18000	B	14	7.2	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Lead	29		0.35	0.16	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Magnesium	31000	B	6.9	3.4	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Manganese	480	B	0.69	0.10	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Nickel	23		0.69	0.20	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Potassium	2600		35	12	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Selenium	1.0		0.69	0.41	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Silver	2.9	B	0.35	0.089	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Sodium	1100		69	10	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Thallium	0.85		0.69	0.35	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Vanadium	18		0.35	0.082	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1
Zinc	58		1.4	0.61	mg/Kg	☼	08/28/19 16:32	08/29/19 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/30/19 10:25	09/03/19 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 11:49	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		21	7.0	ug/Kg	☼	08/27/19 15:30	08/28/19 10:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			08/26/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-3(0-3.2)-082119**

**Lab Sample ID: 500-168698-18**

**Date Collected: 08/21/19 12:15**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 87.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
1,1,2-Trichloroethane	<1.5		1.5	0.63	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
1,1-Dichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
1,2-Dichloroethane	<3.7		3.7	1.1	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
2-Hexanone	<3.7		3.7	1.1	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Acetone	<15		15	6.4	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Chlorobenzene	<1.5		1.5	0.54	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
cis-1,3-Dichloropropene	<1.5		1.5	0.44	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
trans-1,2-Dichloroethene	<1.5		1.5	0.65	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Vinyl chloride	<1.5		1.5	0.65	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1
Xylenes, Total	<2.9		2.9	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	08/22/19 17:18	08/30/19 18:03	1
4-Bromofluorobenzene (Surr)	93		75 - 131	08/22/19 17:18	08/30/19 18:03	1
Dibromofluoromethane	99		75 - 126	08/22/19 17:18	08/30/19 18:03	1
Toluene-d8 (Surr)	99		75 - 124	08/22/19 17:18	08/30/19 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-3(0-3.2)-082119**

**Lab Sample ID: 500-168698-18**

**Date Collected: 08/21/19 12:15**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 87.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2-Methylnaphthalene	<75		75	6.9	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Carbazole	<190		190	93	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
<b>Chrysene</b>	<b>26</b>	<b>J</b>	37	10	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
<b>Fluoranthene</b>	<b>9.7</b>	<b>J</b>	37	6.9	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Hexachlorobenzene	<75	*	75	8.7	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-3(0-3.2)-082119**

**Lab Sample ID: 500-168698-18**

**Date Collected: 08/21/19 12:15**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 87.5**

**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	<37		37	9.7	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Isophorone	<190		190	42	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
<b>Phenanthrene</b>	<b>14</b>	<b>J</b>	37	5.2	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Phenol	<190		190	83	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
<b>Pyrene</b>	<b>17</b>	<b>J</b>	37	7.4	ug/Kg	☼	08/28/19 07:56	08/28/19 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		31 - 143				08/28/19 07:56	08/28/19 23:24	1
2-Fluorobiphenyl	78		43 - 145				08/28/19 07:56	08/28/19 23:24	1
2-Fluorophenol	71		31 - 166				08/28/19 07:56	08/28/19 23:24	1
Nitrobenzene-d5	69		37 - 147				08/28/19 07:56	08/28/19 23:24	1
Phenol-d5	65		30 - 153				08/28/19 07:56	08/28/19 23:24	1
Terphenyl-d14	102		42 - 157				08/28/19 07:56	08/28/19 23:24	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		08/28/19 15:06	08/29/19 11:32	1
<b>Barium</b>	<b>0.17</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:06	08/29/19 11:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:06	08/29/19 11:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:06	08/29/19 11:32	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:32	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:32	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:32	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:06	08/29/19 19:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:06	08/29/19 11:32	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 19:45	1
<b>Nickel</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:32	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:06	08/29/19 11:32	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 11:32	1
<b>Zinc</b>	<b>0.37</b>	<b>J</b>	0.50	0.020	mg/L		08/28/19 15:06	08/29/19 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/28/19 15:03	08/29/19 11:26	1
Barium	<0.50		0.50	0.050	mg/L		08/28/19 15:03	08/29/19 11:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:03	08/29/19 11:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:03	08/29/19 11:26	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:26	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:26	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:26	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:03	08/29/19 11:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:03	08/29/19 11:26	1
<b>Manganese</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:26	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:26	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:03	08/29/19 11:26	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: ROW-3(0-3.2)-082119**

**Lab Sample ID: 500-168698-18**

Date Collected: 08/21/19 12:15

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 87.5

**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		08/28/19 15:03	08/29/19 11:26	1
<b>Zinc</b>	<b>0.92</b>		0.50	0.020	mg/L		08/28/19 15:03	08/29/19 11:26	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Arsenic</b>	<b>7.0</b>		0.55	0.19	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Barium</b>	<b>41</b>		0.55	0.062	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Beryllium</b>	<b>0.46</b>		0.22	0.051	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Cadmium</b>	<b>0.33</b>	<b>B</b>	0.11	0.020	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Calcium</b>	<b>75000</b>	<b>B</b>	55	9.2	mg/Kg	☼	08/28/19 16:32	08/29/19 16:46	5
<b>Chromium</b>	<b>12</b>		0.55	0.27	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Cobalt</b>	<b>10</b>		0.27	0.071	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Copper</b>	<b>22</b>		0.55	0.15	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Iron</b>	<b>19000</b>	<b>B</b>	11	5.7	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Lead</b>	<b>13</b>		0.27	0.13	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Magnesium</b>	<b>41000</b>	<b>B</b>	27	14	mg/Kg	☼	08/28/19 16:32	08/29/19 16:46	5
<b>Manganese</b>	<b>490</b>	<b>B</b>	0.55	0.079	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Nickel</b>	<b>24</b>		0.55	0.16	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Potassium</b>	<b>2800</b>		27	9.7	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Selenium</b>	<b>0.90</b>		0.55	0.32	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Silver</b>	<b>2.5</b>	<b>B</b>	0.27	0.070	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Sodium</b>	<b>970</b>		55	8.1	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Thallium</b>	<b>0.46</b>	<b>J</b>	0.55	0.27	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Vanadium</b>	<b>16</b>		0.27	0.064	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1
<b>Zinc</b>	<b>50</b>		1.1	0.48	mg/Kg	☼	08/28/19 16:32	08/29/19 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/30/19 10:25	09/03/19 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 11:50	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>15</b>	<b>J</b>	18	5.9	ug/Kg	☼	08/27/19 15:30	08/28/19 10:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.9</b>		0.2	0.2	SU			08/26/19 15:55	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC Semi VOA

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

## Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## General Chemistry

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Glossary (Continued)

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

1

2

3

4

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11

12

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14

15

# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andrés Slessees  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
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Phone: \_\_\_\_\_  
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E-Mail: Andrés.Slessees@western-solids.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SA  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_ 500-168698 COC  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job # 500-168698  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 3  
Temperature °C of Cooler: 4, 9, 5, 6, 2, 2, 2, 0

Client		Client Project #		Preservative		Parameter		VOCs		SVOcs		Total Metals		TECP/SPLP metals		PH		Herbicides		PCBs		Chloride		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		Sampling		# of Containers		Matrix														Comments		
Lab ID	MS/MSD	Sample ID	Date	Time																				
1		CC5-1(0-3)-082119	8/21/19	0825	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
2		CC5-2(0-3)-082119		0845	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
3		CC5-3(0-3)-082119		0855	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
4		DPR-1(0-2)-082119		0915	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5		DPR-2(0-5)-082119		0950	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
6		DPR-2(5-10)-082119		0955	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
7		DPR-2(10-15)-082119		1000	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		DPR-2(15-20)-082119		1005	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
9		DPR-2(20-25)-082119		1010	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10		BR-1(0-5)-082119		1045	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Requested Due Date \_\_\_\_\_

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Western</u>	Date: <u>8/21/19</u>	Time: <u>1630</u>	Received By: <u>P. Neal</u>	Company: <u>SA</u>	Date: <u>8/21/19</u>	Time: <u>1630</u>
Relinquished By: <u>P. Neal</u>	Company: <u>SA</u>	Date: <u>8/21/19</u>	Time: <u>1713</u>	Received By: <u>[Signature]</u>	Company: <u>SA</u>	Date: <u>8/22/19</u>	Time: <u>0715</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: \_\_\_\_\_  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To Contact: <u>Andri Slessers</u>	(optional)	Bill To Contact: _____	(optional)
Company: _____		Company: _____	
Address: _____		Address: <u>NAME</u>	
Address: _____		Address: _____	
Phone: _____		Phone: _____	
Fax: _____		Fax: _____	
E-Mail: <u>Andri.Slessers@westernsolutions.com</u>		PO#/Reference# _____	

## Chain of Custody Record

Lab Job # 500-768098

Chain of Custody Number: \_\_\_\_\_

Page 2 of 3

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter										Preservative Key
<u>Weston</u>																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		# of Containers												Comments
<u>IDOT Willow Road</u>																
Project Location/State		Lab PM		Matrix												
<u>Glenview / Prospect Heights IL</u>																
Sampler		Date		Time												
<u>C. Pence</u>																
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	P/P/S/PCP Metals	pH	Herbicides	PCBs	Chloride	Comments	
<u>11</u>		<u>BR-1 (5-10)-082119</u>	<u>8/21/19</u>	<u>1655</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>12</u>		<u>BR-1 (10-15)-082119</u>		<u>1105</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>13</u>		<u>BR-1 (10-15)-082119D</u>		<u>1105</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>14</u>		<u>BR-1 (15-20)-082119</u>		<u>1115</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>15</u>		<u>BR-1 (20-25)-082119</u>		<u>1125</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>16</u>		<u>ROW-1 (0-3.2)-082119</u>		<u>1145</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>17</u>		<u>ROW-2 (0-3.2)-082119</u>		<u>1155</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>18</u>		<u>ROW-3 (0-3.2)-082119</u>		<u>1215</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>19</u>		<u>CC16-7 (0-3.2)-082119</u>		<u>1245</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>20</u>		<u>CC16-8 (0-3.2)-082119</u>		<u>1255</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					

### Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

### Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>8/21/19</u>	Time <u>1630</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>8/21/19</u>	Time <u>1630</u>	Lab Courier
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>8/21/19</u>	Time <u>1430</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>8/22/19</u>	Time <u>0715</u>	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

### Matrix Key

WW - Wastewater  
W - Water  
S - Soil  
SL - Sludge  
MS - Miscellaneous  
OL - Oil  
A - Air

SE - Sediment  
SO - Soil  
L - Leachate  
WI - Wipe  
DW - Drinking Water  
O - Other

### Client Comments

### Lab Comments:



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andri's Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: Andri.slessers@weston.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: SAME  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: \_\_\_\_\_

Chain of Custody Number: \_\_\_\_\_

Page 3 of 3

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		VOCs		SVOCs		Total Metals		TECP/PEP Metals		pH		Herbicides		PCBs		Chloride		Preservative Key	
<u>Weston</u>																								1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers Matrix																Comments			
Lab ID	MS/MSD	Sample ID	Date	Time																					
21		CC16-9(0-3.2)-082119	8/21/19	1305	6	S		X	X	X	X	X	X	X	X										
22		CC16-6(0-3.2)-082119		1345	6	S		X	X	X	X	X	X	X	X										
23		CC16-5(0-3.2)-082119		1355	6	S		X	X	X	X	X	X	X	X										
24		CC16-4(0-3.2)-082119		1405	6	S		X	X	X	X	X	X	X	X										
25		CC16-9(0-3.2)-082119D		1305	6	S		X	X	X	X	X	X	X	X										

Turnaround Time Required (Business Days)  
 1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/21/19</u> Time: <u>1630</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/19</u> Time: <u>1630</u>	Lab Courier
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/19</u> Time: <u>1913</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>0715</u>	Shipped
Relinquished By	Received By	Hand Delivered

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



# 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 305: Willow Road over Des Plaines River Office Phone Number, if available: \_\_\_\_\_

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

4000 block of Willow Road (ISGS Site No. 575V4-16)

City: Northbrook State: IL Zip Code: \_\_\_\_\_

County: Cook Township: \_\_\_\_\_

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

Latitude: 42.10912 Longitude: - 87.8851  
(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.): 755

### 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 CC16-2 THROUGH CC16-5, CC16-8, CC16-9, AND ROW-4, ROW-6, AND ROW-7 WERE SAMPLED ADJACENT TO ISGS SITE No. 575V4-16. SEE FIGURES 3-1 AND 3-2, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-168698-1.  
TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-168790-1.  
ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

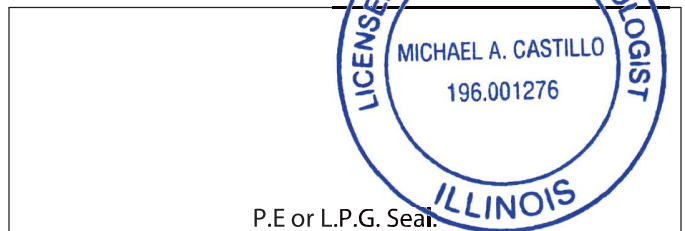
***Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))***

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

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

*Michael A. Castillo*  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

8 November 2019  
Date:



**Summary Table of ISGS Site No. 575V4-16**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAP 305: Willow Road over Des Plaines River - Ramp B and Ramp D**  
**Glenview and Prospect Heights, Cook County, Illinois**

Location	CC16-2	CC16-3	CC16-4	CC16-5	CC16-8	CC16-9	CC16-9	ROW-4	ROW-6	ROW-7	Soil Reference Concentrations <sup>A</sup>
Sample Date	8/22/2019	8/22/2019	8/21/2019	8/21/2019	8/21/2019	8/21/2019	8/21/2019	8/22/2019	8/22/2019	8/22/2019	
Field Sample ID	CC16-2(0-3.2)-082219	CC16-3(0-3.2)-082219	CC16-4(0-3.2)-082119	CC16-5(0-3.2)-082119	CC16-8(0-3.2)-082119	CC16-9(0-3.2)-082119	CC16-9(0-3.2)-082119D	ROW-4(0-3.5)-082219	ROW-6(0-3.5)-082219	ROW-7(0-3.5)-082219	
ISGS Site Number	575V4-016	575V4-016	575V4-016	575V4-016	575V4-016	575V4-016	575V4-016	575V4-016	575V4-016	575V4-016	
Laboratory pH (s.u.)	8.6 J	9 J	8.7 J	8.8 J	8.6 J	9 J	8.8 J	8.2 J	8 J	8.4 J	<6.25; >9.0
<b>VOCs (mg/kg)</b>											
Acetone	ND	ND	ND	ND	0.008 J	0.037	0.03	ND	ND	ND	25
Methyl ethyl ketone	ND	ND	ND	ND	ND	0.0037 J	0.0038 J	ND	ND	ND	---
<b>SVOCs (mg/kg)</b>											
Benzo(a)pyrene	0.039 J	0.035 J	ND	0.022 J	0.2	ND	0.0095 J	ND	0.043	0.022 J	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.065	0.052	ND	0.025 J	0.3	ND	0.017 J	0.011 J	0.082	0.032 J	0.9 / 1.5 / 2.1
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.021 J	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
<b>Total Metals (mg/kg)</b>											
Arsenic, Total	9	6.6	4.4	5.9	5.7	5.4	6.8	6.2	7.2	5.4	11.3 / 13.0
Beryllium, Total	0.55	0.46	0.33	0.54	0.43	1	1.1	0.43	0.43	0.34	22
Cadmium, Total	0.32 J	0.51 J	0.18 J	0.28 J	0.44 J	0.19 J	0.24 J	0.38 J	0.41 J	0.32 J	5.2
Chromium, Total	16	19	11	15	16	25	26	13	14	11	21
Cobalt, Total	12	10	7.3	9.9	8.1	16	22	9.8	10	8.3	20
Iron, Total	23000	19000	13000 B	17000 B	15000 B	24000 B	28000 B	17000	18000	13000	15000 / 15900
Lead, Total	19	61	18	16	89	14	16	34	49	35	107
Manganese, Total	450	440	480	490	460	330	260	500	620	400	630 / 636
Nickel, Total	32	26	13	24	19	42	42	25	24	20	100
Silver, Total	3.7	2.7	2.9 B	3.7 B	2.6 B	5 B	5.2 B	2.6	2.7	3.8	4.4
<b>TCLP Metals (mg/l)</b>											
Cobalt, TCLP	ND	ND	ND	0.022 J	0.036	0.028	0.018 J	ND	ND	ND	1
Iron, TCLP	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND	ND	5
Manganese, TCLP	1.2	1.4	1.1	11	4.6	12 J	3.5 J	1.2	1.1	1.5	0.15
Nickel, TCLP	ND	0.015 J	ND	0.022 J	0.018 J	0.017 J	0.014 J	0.011 J	ND	ND	0.1
<b>SPLP Metals (mg/l)</b>											
Arsenic, SPLP	0.051	0.028 J	0.072	0.057	0.04 J	0.075	0.089	ND	ND	ND	0.05
Beryllium, SPLP	0.0067	0.0048	0.0071	0.0071	0.0061	0.011	0.012	ND	ND	ND	0.004
Cadmium, SPLP	0.0037 J	0.0027 J	0.0025 J	0.0029 J	0.003 J	0.0026 J	0.003 J	ND	ND	0.0023 J	0.005
Chromium, SPLP	0.18	0.12	0.22	0.19	0.14	0.23	0.25	ND	ND	0.036	0.1
Cobalt, SPLP	0.051	0.054	0.05	0.073	0.048	0.11	0.13	ND	ND	0.013 J	1
Iron, SPLP	200	99	240	190	120	220	260	ND	0.83	33	5
Lead, SPLP	0.072	0.062	0.085	0.1	0.38 J	0.14	0.13	ND	ND	0.019	0.0075
Manganese, SPLP	0.96	0.66	1.5	2.2	0.88 J	1.9 J	4.2 J	ND	ND	0.24	0.15
Nickel, SPLP	0.2	0.15	0.21	0.2	0.14	0.27	0.44	ND	ND	0.036	0.1
Silver, SPLP	0.017 J	0.011 J	0.025	0.017 J	0.012 J	0.026	0.036	ND	ND	ND	0.05

**Notes:**

--- - not applicable or value not available.

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

J - Estimated concentration.

na - Constituent not analyzed.

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: 500-168698-1

Client Project/Site: IDOT-Glenview & Prospect Heights-WO 002

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
9/7/2019 6:34:19 AM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-8(0-3.2)-082119**

**Lab Sample ID: 500-168698-20**

Date Collected: 08/21/19 12:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
1,1,2,2-Tetrachloroethane	<1.5	*	1.5	0.48	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
<b>Acetone</b>	<b>8.0</b>	<b>J</b>	15	6.6	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	08/22/19 17:18	08/30/19 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/22/19 17:18	08/30/19 18:53	1
4-Bromofluorobenzene (Surr)	129	*	75 - 131	08/22/19 17:18	08/30/19 18:53	1
Dibromofluoromethane	100		75 - 126	08/22/19 17:18	08/30/19 18:53	1
Toluene-d8 (Surr)	106		75 - 124	08/22/19 17:18	08/30/19 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-8(0-3.2)-082119**

**Lab Sample ID: 500-168698-20**

Date Collected: 08/21/19 12:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>2-Methylnaphthalene</b>	<b>8.5</b>	<b>J</b>	77	7.0	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Acenaphthene</b>	<b>9.6</b>	<b>J</b>	38	6.9	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Anthracene</b>	<b>18</b>	<b>J</b>	38	6.4	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Benzo[a]anthracene</b>	<b>150</b>		38	5.1	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Benzo[a]pyrene</b>	<b>200</b>		38	7.4	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Benzo[b]fluoranthene</b>	<b>300</b>		38	8.2	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Benzo[g,h,i]perylene</b>	<b>110</b>		38	12	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Benzo[k]fluoranthene</b>	<b>85</b>		38	11	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Carbazole	<190		190	95	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Chrysene</b>	<b>210</b>		38	10	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Dibenz(a,h)anthracene</b>	<b>21</b>	<b>J</b>	38	7.4	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Fluoranthene</b>	<b>290</b>		38	7.1	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Fluorene</b>	<b>7.5</b>	<b>J</b>	38	5.4	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Hexachlorobenzene	<77	*	77	8.8	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-8(0-3.2)-082119**

**Lab Sample ID: 500-168698-20**

Date Collected: 08/21/19 12:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>110</b>		38	9.9	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Isophorone	<190		190	43	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Naphthalene</b>	<b>6.8</b>	<b>J</b>	38	5.9	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Phenanthrene</b>	<b>130</b>		38	5.3	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
Phenol	<190		190	85	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Pyrene</b>	<b>280</b>		38	7.6	ug/Kg	☼	08/28/19 07:56	08/29/19 15:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	83		31 - 143				08/28/19 07:56	08/29/19 15:20	1
2-Fluorobiphenyl	74		43 - 145				08/28/19 07:56	08/29/19 15:20	1
2-Fluorophenol	75		31 - 166				08/28/19 07:56	08/29/19 15:20	1
Nitrobenzene-d5	65		37 - 147				08/28/19 07:56	08/29/19 15:20	1
Phenol-d5	74		30 - 153				08/28/19 07:56	08/29/19 15:20	1
Terphenyl-d14	98		42 - 157				08/28/19 07:56	08/29/19 15:20	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/28/19 15:06	08/29/19 12:01	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		08/28/19 15:06	08/29/19 12:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:06	08/29/19 12:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:06	08/29/19 12:01	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 12:01	1
<b>Cobalt</b>	<b>0.036</b>		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 12:01	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 12:01	1
<b>Iron</b>	<b>0.29</b>	<b>J</b>	0.40	0.20	mg/L		08/28/19 15:06	08/29/19 20:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:06	08/29/19 12:01	1
<b>Manganese</b>	<b>4.6</b>		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 20:05	1
<b>Nickel</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:06	08/29/19 12:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:06	08/29/19 12:01	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:06	08/29/19 12:01	1
<b>Zinc</b>	<b>0.48</b>	<b>J</b>	0.50	0.020	mg/L		08/28/19 15:06	08/29/19 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.040</b>	<b>J</b>	0.050	0.010	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Barium</b>	<b>0.56</b>	<b>F1</b>	0.50	0.050	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Beryllium</b>	<b>0.0061</b>		0.0040	0.0040	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Cadmium</b>	<b>0.0030</b>	<b>J</b>	0.0050	0.0020	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Chromium</b>	<b>0.14</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Cobalt</b>	<b>0.048</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Copper</b>	<b>0.18</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Iron</b>	<b>120</b>		0.40	0.20	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Lead</b>	<b>0.38</b>	<b>F1</b>	0.0075	0.0075	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Manganese</b>	<b>0.88</b>	<b>F1</b>	0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:34	1
<b>Nickel</b>	<b>0.14</b>		0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:34	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:03	08/29/19 11:34	1

Eurolins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-8(0-3.2)-082119**

**Lab Sample ID: 500-168698-20**

Date Collected: 08/21/19 12:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.012	J	0.025	0.010	mg/L		08/28/19 15:03	08/29/19 11:34	1
Zinc	0.90		0.50	0.020	mg/L		08/28/19 15:03	08/29/19 11:34	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.1	0.21	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Arsenic	5.7		0.54	0.19	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Barium	60		0.54	0.062	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Beryllium	0.43		0.22	0.051	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Cadmium	0.44	B	0.11	0.020	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Calcium	74000	B	54	9.2	mg/Kg	☼	08/29/19 09:16	08/30/19 11:46	5
Chromium	16		0.54	0.27	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Cobalt	8.1		0.27	0.071	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Copper	30		0.54	0.15	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Iron	15000	B	11	5.7	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Lead	89		0.27	0.13	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Magnesium	43000		27	13	mg/Kg	☼	08/29/19 09:16	08/30/19 11:46	5
Manganese	460		0.54	0.079	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Nickel	19		0.54	0.16	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Potassium	1900		27	9.6	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Selenium	0.63		0.54	0.32	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Silver	2.6	B	0.27	0.070	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Sodium	1100	B	54	8.1	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Thallium	0.47	J	0.54	0.27	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Vanadium	17		0.27	0.064	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1
Zinc	90		1.1	0.48	mg/Kg	☼	08/29/19 09:16	08/29/19 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/30/19 10:25	09/03/19 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 11:53	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	29		17	5.8	ug/Kg	☼	08/27/19 15:30	08/28/19 10:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			08/26/19 16:00	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-9(0-3.2)-082119**

**Lab Sample ID: 500-168698-21**

**Date Collected: 08/21/19 13:05**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 83.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
<b>Acetone</b>	<b>37</b>		16	7.1	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Carbon disulfide	<4.0		4.0	0.84	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
<b>Methyl Ethyl Ketone</b>	<b>3.7 J</b>		4.0	1.8	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	08/22/19 17:18	08/30/19 19:19	1
4-Bromofluorobenzene (Surr)	91		75 - 131	08/22/19 17:18	08/30/19 19:19	1
Dibromofluoromethane	99		75 - 126	08/22/19 17:18	08/30/19 19:19	1
Toluene-d8 (Surr)	95		75 - 124	08/22/19 17:18	08/30/19 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-9(0-3.2)-082119**

**Lab Sample ID: 500-168698-21**

**Date Collected: 08/21/19 13:05**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 83.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Anthracene	<39		39	6.5	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Carbazole	<200		200	98	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Chrysene	<39		39	11	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Hexachloroethane	<200		200	59	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-9(0-3.2)-082119**

**Lab Sample ID: 500-168698-21**

Date Collected: 08/21/19 13:05

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 83.2

**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	<39		39	10	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Isophorone	<200		200	44	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Naphthalene	<39		39	6.0	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Phenol	<200		200	87	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1
Pyrene	<39		39	7.8	ug/Kg	☼	08/28/19 07:59	08/28/19 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	121		31 - 143	08/28/19 07:59	08/28/19 23:35	1
2-Fluorobiphenyl	82		43 - 145	08/28/19 07:59	08/28/19 23:35	1
2-Fluorophenol	109		31 - 166	08/28/19 07:59	08/28/19 23:35	1
Nitrobenzene-d5	75		37 - 147	08/28/19 07:59	08/28/19 23:35	1
Phenol-d5	88		30 - 153	08/28/19 07:59	08/28/19 23:35	1
Terphenyl-d14	87		42 - 157	08/28/19 07:59	08/28/19 23:35	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		08/28/19 15:07	08/29/19 09:35	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		08/28/19 15:07	08/29/19 09:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:07	08/29/19 09:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:07	08/29/19 09:35	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:35	1
<b>Cobalt</b>	<b>0.028</b>		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:35	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:35	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:07	08/29/19 09:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:07	08/29/19 09:35	1
<b>Manganese</b>	<b>12</b>		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:35	1
<b>Nickel</b>	<b>0.017 J</b>		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:07	08/29/19 09:35	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:35	1
Zinc	<0.50		0.50	0.020	mg/L		08/28/19 15:07	08/29/19 09:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.075</b>		0.050	0.010	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Barium</b>	<b>1.0</b>		0.50	0.050	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Beryllium</b>	<b>0.011</b>		0.0040	0.0040	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Cadmium</b>	<b>0.0026 J</b>		0.0050	0.0020	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Chromium</b>	<b>0.23</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Cobalt</b>	<b>0.11</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Copper</b>	<b>0.20</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Iron</b>	<b>220</b>		0.40	0.20	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Lead</b>	<b>0.14</b>		0.0075	0.0075	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:09	1
<b>Nickel</b>	<b>0.27</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:09	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:05	08/29/19 09:09	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-9(0-3.2)-082119**

**Lab Sample ID: 500-168698-21**

Date Collected: 08/21/19 13:05

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.026		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:09	1
Zinc	0.89		0.50	0.020	mg/L		08/28/19 15:05	08/29/19 09:09	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Arsenic	5.4		0.59	0.20	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Barium	66		0.59	0.067	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Beryllium	1.0		0.23	0.055	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Cadmium	0.19	B	0.12	0.021	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Calcium	20000	B	12	2.0	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Chromium	25		0.59	0.29	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Cobalt	16		0.29	0.077	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Copper	24		0.59	0.16	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Iron	24000	B	12	6.1	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Lead	14		0.29	0.14	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Magnesium	17000		5.9	2.9	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Manganese	330		0.59	0.085	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Nickel	42		0.59	0.17	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Potassium	4900		29	10	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Selenium	0.78		0.59	0.34	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Silver	5.0	B	0.29	0.076	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Sodium	3300	B	59	8.7	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Thallium	1.6		0.59	0.29	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Vanadium	33		0.29	0.069	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1
Zinc	64		1.2	0.51	mg/Kg	☼	08/29/19 09:16	08/29/19 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		08/29/19 10:40	08/30/19 08:53	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	6.5	ug/Kg	☼	08/27/19 15:30	08/28/19 10:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.2	0.2	SU			08/26/19 16:02	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-5(0-3.2)-082119**

**Lab Sample ID: 500-168698-23**

**Date Collected: 08/21/19 13:55**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 83.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Acetone	<16		16	7.1	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Carbon disulfide	<4.1		4.1	0.84	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	08/22/19 17:18	08/30/19 20:10	1
4-Bromofluorobenzene (Surr)	95		75 - 131	08/22/19 17:18	08/30/19 20:10	1
Dibromofluoromethane	98		75 - 126	08/22/19 17:18	08/30/19 20:10	1
Toluene-d8 (Surr)	97		75 - 124	08/22/19 17:18	08/30/19 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-5(0-3.2)-082119**

**Lab Sample ID: 500-168698-23**

**Date Collected: 08/21/19 13:55**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 83.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
<b>Benzo[a]pyrene</b>	<b>22 J</b>		38	7.4	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
<b>Benzo[b]fluoranthene</b>	<b>25 J</b>		38	8.2	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Carbazole	<190		190	95	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
<b>Chrysene</b>	<b>22 J</b>		38	10	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
<b>Fluoranthene</b>	<b>33 J</b>		38	7.1	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-5(0-3.2)-082119**

**Lab Sample ID: 500-168698-23**

Date Collected: 08/21/19 13:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>11</b>	<b>J</b>	38	9.9	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Isophorone	<190		190	43	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
<b>Phenanthrene</b>	<b>27</b>	<b>J</b>	38	5.3	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
Phenol	<190		190	85	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
<b>Pyrene</b>	<b>31</b>	<b>J</b>	38	7.6	ug/Kg	☼	08/28/19 07:59	08/29/19 00:28	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	111		31 - 143				08/28/19 07:59	08/29/19 00:28	1
2-Fluorobiphenyl	58		43 - 145				08/28/19 07:59	08/29/19 00:28	1
2-Fluorophenol	105		31 - 166				08/28/19 07:59	08/29/19 00:28	1
Nitrobenzene-d5	43		37 - 147				08/28/19 07:59	08/29/19 00:28	1
Phenol-d5	84		30 - 153				08/28/19 07:59	08/29/19 00:28	1
Terphenyl-d14	85		42 - 157				08/28/19 07:59	08/29/19 00:28	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/28/19 15:07	08/29/19 09:43	1
<b>Barium</b>	<b>0.43</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:07	08/29/19 09:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:07	08/29/19 09:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:07	08/29/19 09:43	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:43	1
<b>Cobalt</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:43	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:43	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:07	08/29/19 09:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:07	08/29/19 09:43	1
<b>Manganese</b>	<b>11</b>		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:43	1
<b>Nickel</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:43	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:07	08/29/19 09:43	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:43	1
<b>Zinc</b>	<b>0.11</b>	<b>J</b>	0.50	0.020	mg/L		08/28/19 15:07	08/29/19 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.057</b>		0.050	0.010	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Barium</b>	<b>0.82</b>		0.50	0.050	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Beryllium</b>	<b>0.0071</b>		0.0040	0.0040	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Cadmium</b>	<b>0.0029</b>	<b>J</b>	0.0050	0.0020	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Chromium</b>	<b>0.19</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Cobalt</b>	<b>0.073</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Copper</b>	<b>0.18</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Iron</b>	<b>190</b>		0.40	0.20	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Lead</b>	<b>0.10</b>		0.0075	0.0075	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Manganese</b>	<b>2.2</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:17	1
<b>Nickel</b>	<b>0.20</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:17	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:05	08/29/19 09:17	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-5(0-3.2)-082119**

**Lab Sample ID: 500-168698-23**

Date Collected: 08/21/19 13:55

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.017	J	0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:17	1
Zinc	1.1		0.50	0.020	mg/L		08/28/19 15:05	08/29/19 09:17	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.25	J	1.1	0.22	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Arsenic	5.9		0.56	0.19	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Barium	62		0.56	0.063	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Beryllium	0.54		0.22	0.052	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Cadmium	0.28	B	0.11	0.020	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Calcium	33000	B	11	1.9	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Chromium	15		0.56	0.28	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Cobalt	9.9		0.28	0.073	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Copper	18		0.56	0.16	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Iron	17000	B	11	5.8	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Lead	16		0.28	0.13	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Magnesium	20000		5.6	2.8	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Manganese	490		0.56	0.081	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Nickel	24		0.56	0.16	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Potassium	2100		28	9.8	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Selenium	0.45	J	0.56	0.33	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Silver	3.7	B	0.28	0.072	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Sodium	1400	B	56	8.2	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Thallium	0.90		0.56	0.28	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Vanadium	23		0.28	0.066	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1
Zinc	58		1.1	0.49	mg/Kg	☼	08/29/19 09:16	08/29/19 20:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.33		0.33	0.33	ug/L		08/29/19 10:40	08/30/19 08:57	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		18	6.0	ug/Kg	☼	08/27/19 15:30	08/28/19 10:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			08/26/19 16:06	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-4(0-3.2)-082119**

**Lab Sample ID: 500-168698-24**

Date Collected: 08/21/19 14:05

Matrix: Solid

Date Received: 08/22/19 08:00

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	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Acetone	<16		16	7.0	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Carbon disulfide	<4.0		4.0	0.84	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	08/22/19 17:18	08/30/19 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	08/22/19 17:18	08/30/19 20:35	1
4-Bromofluorobenzene (Surr)	88		75 - 131	08/22/19 17:18	08/30/19 20:35	1
Dibromofluoromethane	96		75 - 126	08/22/19 17:18	08/30/19 20:35	1
Toluene-d8 (Surr)	97		75 - 124	08/22/19 17:18	08/30/19 20:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-4(0-3.2)-082119**

**Lab Sample ID: 500-168698-24**

**Date Collected: 08/21/19 14:05**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**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	<380		380	87	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Carbazole	<190		190	95	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Chrysene	<38		38	10	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-4(0-3.2)-082119**

**Lab Sample ID: 500-168698-24**

**Date Collected: 08/21/19 14:05**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**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	<38		38	9.9	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Isophorone	<190		190	43	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Phenol	<190		190	85	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1
Pyrene	<38		38	7.6	ug/Kg	☼	08/28/19 07:59	08/29/19 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		31 - 143	08/28/19 07:59	08/29/19 00:55	1
2-Fluorobiphenyl	77		43 - 145	08/28/19 07:59	08/29/19 00:55	1
2-Fluorophenol	98		31 - 166	08/28/19 07:59	08/29/19 00:55	1
Nitrobenzene-d5	73		37 - 147	08/28/19 07:59	08/29/19 00:55	1
Phenol-d5	75		30 - 153	08/28/19 07:59	08/29/19 00:55	1
Terphenyl-d14	79		42 - 157	08/28/19 07:59	08/29/19 00:55	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		08/28/19 15:07	08/29/19 09:48	1
<b>Barium</b>	<b>0.19</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:07	08/29/19 09:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:07	08/29/19 09:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:07	08/29/19 09:48	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:48	1
Cobalt	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:48	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:48	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:07	08/29/19 09:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:07	08/29/19 09:48	1
<b>Manganese</b>	<b>1.1</b>		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:48	1
Nickel	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:48	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:07	08/29/19 09:48	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:48	1
<b>Zinc</b>	<b>0.54</b>		0.50	0.020	mg/L		08/28/19 15:07	08/29/19 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.072</b>		0.050	0.010	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Barium</b>	<b>0.76</b>		0.50	0.050	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Beryllium</b>	<b>0.0071</b>		0.0040	0.0040	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Cadmium</b>	<b>0.0025</b>	<b>J</b>	0.0050	0.0020	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Chromium</b>	<b>0.22</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Cobalt</b>	<b>0.050</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Copper</b>	<b>0.20</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Iron</b>	<b>240</b>		0.40	0.20	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Lead</b>	<b>0.085</b>		0.0075	0.0075	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:21	1
<b>Nickel</b>	<b>0.21</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:05	08/29/19 09:21	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-4(0-3.2)-082119**

**Lab Sample ID: 500-168698-24**

Date Collected: 08/21/19 14:05

Matrix: Solid

Date Received: 08/22/19 08:00

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		08/28/19 15:05	08/29/19 09:21	1
Zinc	0.70		0.50	0.020	mg/L		08/28/19 15:05	08/29/19 09:21	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Arsenic	4.4		0.55	0.19	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Barium	37		0.55	0.063	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Beryllium	0.33		0.22	0.052	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Cadmium	0.18	B	0.11	0.020	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Calcium	41000	B	55	9.4	mg/Kg	☼	08/29/19 09:16	08/30/19 11:54	5
Chromium	11		0.55	0.27	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Cobalt	7.3		0.28	0.073	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Copper	12		0.55	0.16	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Iron	13000	B	11	5.8	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Lead	18		0.28	0.13	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Magnesium	22000		5.5	2.8	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Manganese	480		0.55	0.080	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Nickel	13		0.55	0.16	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Potassium	1000		28	9.8	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Selenium	0.51	J	0.55	0.33	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Silver	2.9	B	0.28	0.072	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Sodium	1200	B	55	8.2	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Thallium	0.59		0.55	0.28	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Vanadium	19		0.28	0.065	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1
Zinc	33		1.1	0.49	mg/Kg	☼	08/29/19 09:16	08/29/19 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 09:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.55		0.33	0.33	ug/L		08/29/19 10:40	08/30/19 08:58	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		19	6.2	ug/Kg	☼	08/27/19 15:30	08/28/19 10:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			08/26/19 16:07	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-9(0-3.2)-082119D**

**Lab Sample ID: 500-168698-25**

Date Collected: 08/21/19 13:05

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
<b>Acetone</b>	<b>30</b>		17	7.2	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
<b>Methyl Ethyl Ketone</b>	<b>3.8 J</b>		4.1	1.8	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Tetrachloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
trans-1,2-Dichloroethene	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/22/19 17:18	08/30/19 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	08/22/19 17:18	08/30/19 21:00	1
4-Bromofluorobenzene (Surr)	90		75 - 131	08/22/19 17:18	08/30/19 21:00	1
Dibromofluoromethane	98		75 - 126	08/22/19 17:18	08/30/19 21:00	1
Toluene-d8 (Surr)	97		75 - 124	08/22/19 17:18	08/30/19 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-9(0-3.2)-082119D**

**Lab Sample ID: 500-168698-25**

**Date Collected: 08/21/19 13:05**

**Matrix: Solid**

**Date Received: 08/22/19 08:00**

**Percent Solids: 82.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
<b>2-Methylnaphthalene</b>	<b>17 J</b>		78	7.1	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2-Methylphenol	<200		200	62	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Anthracene	<39		39	6.5	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
<b>Benzo[a]pyrene</b>	<b>9.5 J</b>		39	7.5	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
<b>Benzo[b]fluoranthene</b>	<b>17 J</b>		39	8.4	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Carbazole	<200		200	97	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
<b>Chrysene</b>	<b>18 J</b>		39	11	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Dibenzofuran	<200		200	45	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
<b>Fluoranthene</b>	<b>23 J</b>		39	7.2	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Hexachloroethane	<200		200	59	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-9(0-3.2)-082119D**

**Lab Sample ID: 500-168698-25**

Date Collected: 08/21/19 13:05

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 82.8

## 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	<39		39	10	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Isophorone	<200		200	44	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Naphthalene	<39		39	6.0	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
<b>Phenanthrene</b>	<b>19</b>	<b>J</b>	39	5.4	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Phenol	<200		200	86	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
<b>Pyrene</b>	<b>18</b>	<b>J</b>	39	7.7	ug/Kg	☼	08/28/19 07:59	08/29/19 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	118		31 - 143				08/28/19 07:59	08/29/19 01:22	1
2-Fluorobiphenyl	84		43 - 145				08/28/19 07:59	08/29/19 01:22	1
2-Fluorophenol	105		31 - 166				08/28/19 07:59	08/29/19 01:22	1
Nitrobenzene-d5	78		37 - 147				08/28/19 07:59	08/29/19 01:22	1
Phenol-d5	84		30 - 153				08/28/19 07:59	08/29/19 01:22	1
Terphenyl-d14	80		42 - 157				08/28/19 07:59	08/29/19 01:22	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/28/19 15:07	08/29/19 09:52	1
<b>Barium</b>	<b>0.40</b>	<b>J</b>	0.50	0.050	mg/L		08/28/19 15:07	08/29/19 09:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/28/19 15:07	08/29/19 09:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/28/19 15:07	08/29/19 09:52	1
Chromium	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:52	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:52	1
Copper	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:52	1
Iron	<0.40		0.40	0.20	mg/L		08/28/19 15:07	08/29/19 09:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/28/19 15:07	08/29/19 09:52	1
<b>Manganese</b>	<b>3.5</b>		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:52	1
<b>Nickel</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:52	1
Selenium	<0.050		0.050	0.020	mg/L		08/28/19 15:07	08/29/19 09:52	1
Silver	<0.025		0.025	0.010	mg/L		08/28/19 15:07	08/29/19 09:52	1
Zinc	<0.50		0.50	0.020	mg/L		08/28/19 15:07	08/29/19 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.089</b>		0.050	0.010	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Barium</b>	<b>1.4</b>	<b>F1</b>	0.50	0.050	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Beryllium</b>	<b>0.012</b>		0.0040	0.0040	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Cadmium</b>	<b>0.0030</b>	<b>J</b>	0.0050	0.0020	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Chromium</b>	<b>0.25</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Cobalt</b>	<b>0.13</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Copper</b>	<b>0.24</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Iron</b>	<b>260</b>		0.40	0.20	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Lead</b>	<b>0.13</b>		0.0075	0.0075	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Manganese</b>	<b>4.2</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:25	1
<b>Nickel</b>	<b>0.44</b>		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:25	1
Selenium	<0.050	F1	0.050	0.020	mg/L		08/28/19 15:05	08/29/19 09:25	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

**Client Sample ID: CC16-9(0-3.2)-082119D**

**Lab Sample ID: 500-168698-25**

Date Collected: 08/21/19 13:05

Matrix: Solid

Date Received: 08/22/19 08:00

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036		0.025	0.010	mg/L		08/28/19 15:05	08/29/19 09:25	1
Zinc	1.1		0.50	0.020	mg/L		08/28/19 15:05	08/29/19 09:25	1

### Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Arsenic	6.8		0.59	0.20	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Barium	83		0.59	0.068	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Beryllium	1.1		0.24	0.055	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Cadmium	0.24	B	0.12	0.021	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Calcium	5000	B	12	2.0	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Chromium	26		0.59	0.29	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Cobalt	22		0.30	0.078	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Copper	22		0.59	0.17	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Iron	28000	B	12	6.2	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Lead	16		0.30	0.14	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Magnesium	7400		5.9	2.9	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Manganese	260		0.59	0.086	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Nickel	42		0.59	0.17	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Potassium	4200		30	10	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Selenium	0.84		0.59	0.35	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Silver	5.2	B	0.30	0.076	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Sodium	3500	B	59	8.8	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Thallium	1.6		0.59	0.30	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Vanadium	38		0.30	0.070	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1
Zinc	68		1.2	0.52	mg/Kg	☼	08/29/19 09:16	08/29/19 20:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/29/19 10:40	08/30/19 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33		0.33	0.33	ug/L		08/29/19 10:40	08/30/19 09:00	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	6.3	ug/Kg	☼	08/27/19 15:30	08/28/19 10:44	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			08/26/19 16:09	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC Semi VOA

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

## Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## General Chemistry

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Glossary (Continued)

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

1

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# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168698-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Slesseus  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: Andris.Slesseus@western-solids.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SA  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_ 500-168698 COC  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job # 500-168698  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 3  
Temperature °C of Cooler: 4.9, 5.6, 2.2, 2.0

Client		Client Project #		Preservative		Parameter												Preservative Key											
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other											
Project Name		Lab Project #		Date		Time		# of Containers		Matrix		VOCs		SVOcs		Total Metals		TECP/SPLP metals		PH		Herbicides		PCBs		Chloride		Comments	
<u>IDOT Wilcox Road</u>																													
Project Location/State		Lab Project #		Date		Time		# of Containers		Matrix		VOCs		SVOcs		Total Metals		TECP/SPLP metals		PH		Herbicides		PCBs		Chloride		Comments	
<u>Glenview/Respect Heights, IL</u>																													
Sampler		Lab PM		Date		Time		# of Containers		Matrix		VOCs		SVOcs		Total Metals		TECP/SPLP metals		PH		Herbicides		PCBs		Chloride		Comments	
<u>C. Peace</u>																													
<u>1</u>	<u>MS/MSD</u>	<u>Sample ID</u>	<u>Date</u>	<u>Time</u>	<u># of Containers</u>	<u>Matrix</u>	<u>VOCs</u>	<u>SVOcs</u>	<u>Total Metals</u>	<u>TECP/SPLP metals</u>	<u>PH</u>	<u>Herbicides</u>	<u>PCBs</u>	<u>Chloride</u>	<u>Comments</u>														
		<u>CC5-1(0-3)-082119</u>	<u>8/21/19</u>	<u>0825</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>															
<u>2</u>		<u>CC5-2(0-3)-082119</u>		<u>0845</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>																
<u>3</u>		<u>CC5-3(0-3)-082119</u>		<u>0855</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>																
<u>4</u>		<u>DPR-1(0-2)-082119</u>		<u>0915</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>5</u>		<u>DPR-2(0-5)-082119</u>		<u>0950</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>6</u>		<u>DPR-2(5-10)-082119</u>		<u>0955</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>7</u>		<u>DPR-2(10-15)-082119</u>		<u>1000</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>8</u>		<u>DPR-2(15-20)-082119</u>		<u>1005</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>9</u>		<u>DPR-2(20-25)-082119</u>		<u>1010</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>10</u>		<u>BR-1(0-5)-082119</u>		<u>1045</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>8/21/19</u>	Time <u>1630</u>	Received By <u>P. Neal</u>	Company <u>SA</u>	Date <u>8/21/19</u>	Time <u>1630</u>
Relinquished By <u>P. Neal</u>	Company <u>SA</u>	Date <u>8/21/19</u>	Time <u>1713</u>	Received By <u>[Signature]</u>	Company <u>SA</u>	Date <u>8/22/19</u>	Time <u>0715</u>
Relinquished By _____	Company _____	Date _____	Time _____	Received By _____	Company _____	Date _____	Time _____

Lab Courier \_\_\_\_\_  
Shipped \_\_\_\_\_  
Hand Delivered \_\_\_\_\_

Matrix Key  
 WW - Wastewater  
 W - Water  
 S - Soil  
 SL - Sludge  
 MS - Miscellaneous  
 OL - Oil  
 A - Air  
 SE - Sediment  
 SO - Soil  
 L - Leachate  
 WI - Wipe  
 DW - Drinking Water  
 O - Other

Client Comments

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To Contact: <u>Andri Slessers</u>	(optional)	Bill To Contact: _____	(optional)
Company: _____		Company: _____	
Address: _____		Address: <u>NAME</u>	
Address: _____		Address: _____	
Phone: _____		Phone: _____	
Fax: _____		Fax: _____	
E-Mail: <u>Andri.Slessers@westernsolutions.com</u>		PO#/Reference#	

## Chain of Custody Record

Lab Job # 500-768098

Chain of Custody Number: \_\_\_\_\_

Page 2 of 3

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter										Preservative Key
<u>Weston</u>																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		# of Containers												Comments
<u>IDOT Willow Road</u>																
Project Location/State		Lab PM		Matrix												
<u>Glenview / Prospect Heights IL</u>		<u>C. Pence</u>														
Lab ID	MS/MSD	Sample ID	Date	Time		VOCs	SVOCs	Total Metals	PUP/SUP Metals	pH	Herbicides	PCBs	Chloride			
<u>11</u>		<u>BR-1 (5-10)-082119</u>	<u>8/21/19</u>	<u>1655</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
<u>12</u>		<u>BR-1 (10-15)-082119</u>		<u>1105</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
<u>13</u>		<u>BR-1 (10-15)-082119D</u>		<u>1105</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
<u>14</u>		<u>BR-1 (15-20)-082119</u>		<u>1115</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
<u>15</u>		<u>BR-1 (20-25)-082119</u>		<u>1125</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
<u>16</u>		<u>ROW-1 (0-3.2)-082119</u>		<u>1145</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>17</u>		<u>ROW-2 (0-3.2)-082119</u>		<u>1155</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>18</u>		<u>ROW-3 (0-3.2)-082119</u>		<u>1215</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>19</u>		<u>CC16-7 (0-3.2)-082119</u>		<u>1245</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>20</u>		<u>CC16-8 (0-3.2)-082119</u>		<u>1255</u>	<u>6 S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						

### Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

### Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>8/21/19</u>	Time <u>1630</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>8/21/19</u>	Time <u>1630</u>	Lab Courier
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>8/21/19</u>	Time <u>1430</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>8/22/19</u>	Time <u>0715</u>	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

### Matrix Key

WW - Wastewater SE - Sediment  
W - Water SO - Soil  
S - Soil L - Leachate  
SL - Sludge WI - Wipe  
MS - Miscellaneous DW - Drinking Water  
OL - Oil O - Other  
A - Air

### Client Comments

### Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
 Contact: Andri's Slessers  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: Andri.slessers@weston.com

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: SAME  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: \_\_\_\_\_  
 Chain of Custody Number: \_\_\_\_\_  
 Page 3 of 3  
 Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		VOCs		SVOCs		Total Metals		TECP/PEP Metals		pH		Herbicides		PCBs		Chloride		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Project Location/State		Lab Project #		Lab PM																Comments		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix																		
Weston		IDOT Willow Road																						
Blauview/Prospect Heights, IL																								
C. Pace																								
21		CC16-9(0-3.2)-082119	8/21/19	1305	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
22		CC16-6(0-3.2)-082119		1345	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
23		CC16-5(0-3.2)-082119		1355	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
24		CC16-4(0-3.2)-082119		1405	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
25		CC16-9(0-3.2)-082119D		1305	6	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Turnaround Time Required (Business Days)

\_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days \_\_\_ 7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/21/19</u> Time: <u>1630</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/19</u> Time: <u>1630</u>	Lab Courier
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/19</u> Time: <u>1913</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>0715</u>	Shipped
Relinquished By	Received By	Hand Delivered

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-168790-1

Client Project/Site: IDOT-Glenview & Prospect Heights-WO 002  
Revision: 1

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
9/10/2019 3:23:18 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

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*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-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-7(0-3.5)-082219**

**Lab Sample ID: 500-168790-15**

**Date Collected: 08/22/19 12:15**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 87.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Acetone	<17		17	7.5	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	08/22/19 19:45	08/31/19 06:12	1
4-Bromofluorobenzene (Surr)	97		75 - 131	08/22/19 19:45	08/31/19 06:12	1
Dibromofluoromethane	102		75 - 126	08/22/19 19:45	08/31/19 06:12	1
Toluene-d8 (Surr)	100		75 - 124	08/22/19 19:45	08/31/19 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-7(0-3.5)-082219**

**Lab Sample ID: 500-168790-15**

**Date Collected: 08/22/19 12:15**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 87.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2-Methylnaphthalene	<76		76	7.0	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Anthracene	<38		38	6.3	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
<b>Benzo[a]pyrene</b>	<b>22 J</b>		38	7.3	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
<b>Benzo[b]fluoranthene</b>	<b>32 J</b>		38	8.2	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
<b>Benzo[g,h,i]perylene</b>	<b>19 J</b>		38	12	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Carbazole	<190		190	94	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
<b>Chrysene</b>	<b>27 J</b>		38	10	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
<b>Fluoranthene</b>	<b>35 J</b>		38	7.0	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Fluorene	<38		38	5.3	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-7(0-3.5)-082219**

**Lab Sample ID: 500-168790-15**

**Date Collected: 08/22/19 12:15**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 87.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Isophorone	<190		190	42	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Naphthalene	<38		38	5.8	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
<b>Phenanthrene</b>	<b>17</b>	<b>J</b>	38	5.3	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Phenol	<190		190	84	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
<b>Pyrene</b>	<b>37</b>	<b>J</b>	38	7.5	ug/Kg	☼	08/29/19 07:38	08/30/19 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		31 - 143				08/29/19 07:38	08/30/19 01:22	1
2-Fluorobiphenyl	85		43 - 145				08/29/19 07:38	08/30/19 01:22	1
2-Fluorophenol	109		31 - 166				08/29/19 07:38	08/30/19 01:22	1
Nitrobenzene-d5	80		37 - 147				08/29/19 07:38	08/30/19 01:22	1
Phenol-d5	95		30 - 153				08/29/19 07:38	08/30/19 01:22	1
Terphenyl-d14	88		42 - 157				08/29/19 07:38	08/30/19 01:22	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 08:00	09/03/19 17:22	1
<b>Barium</b>	<b>0.34</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 17:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 17:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 17:22	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:22	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:22	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:22	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 17:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 17:22	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:22	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:22	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 17:22	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:22	1
<b>Zinc</b>	<b>0.12</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 17:22	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		09/03/19 07:55	09/03/19 19:49	1
<b>Barium</b>	<b>0.16</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Cadmium</b>	<b>0.0023</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Chromium</b>	<b>0.036</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Copper</b>	<b>0.040</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Iron</b>	<b>33</b>		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Lead</b>	<b>0.019</b>		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Manganese</b>	<b>0.24</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Nickel</b>	<b>0.036</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:49	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:49	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-7(0-3.5)-082219**

**Lab Sample ID: 500-168790-15**

Date Collected: 08/22/19 12:15

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:49	1
<b>Zinc</b>	<b>0.091</b>	<b>J</b>	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:49	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.46</b>	<b>J</b>	1.1	0.21	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Arsenic</b>	<b>5.4</b>		0.54	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Barium</b>	<b>43</b>		0.54	0.061	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Beryllium</b>	<b>0.34</b>		0.21	0.050	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Cadmium</b>	<b>0.32</b>	<b>B</b>	0.11	0.019	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Calcium</b>	<b>71000</b>	<b>B</b>	54	9.1	mg/Kg	☼	08/29/19 17:20	09/03/19 15:45	5
<b>Chromium</b>	<b>11</b>		0.54	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Cobalt</b>	<b>8.3</b>		0.27	0.070	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Copper</b>	<b>17</b>		0.54	0.15	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Iron</b>	<b>13000</b>		11	5.6	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Lead</b>	<b>35</b>		0.27	0.12	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Magnesium</b>	<b>32000</b>		5.4	2.7	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Manganese</b>	<b>400</b>		0.54	0.078	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Nickel</b>	<b>20</b>		0.54	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Potassium</b>	<b>1700</b>		27	9.5	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Selenium</b>	<b>0.57</b>	<b>B</b>	0.54	0.32	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Silver</b>	<b>3.8</b>		0.27	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Sodium</b>	<b>540</b>		54	7.9	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Thallium</b>	<b>0.84</b>		0.54	0.27	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Vanadium</b>	<b>15</b>		0.27	0.063	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1
<b>Zinc</b>	<b>68</b>		1.1	0.47	mg/Kg	☼	08/29/19 17:20	08/30/19 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 09:07	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>21</b>		18	6.1	ug/Kg	☼	08/28/19 13:50	08/29/19 08:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.4</b>		0.2	0.2	SU			08/30/19 11:06	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-6(0-3.5)-082219**

**Lab Sample ID: 500-168790-16**

Date Collected: 08/22/19 12:25

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.63	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
1,1,2-Trichloroethane	<1.9		1.9	0.81	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
1,1-Dichloroethane	<1.9		1.9	0.65	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
1,1-Dichloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
1,3-Dichloropropene, Total	<1.9		1.9	0.66	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Acetone	<19		19	8.2	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Carbon disulfide	<4.7		4.7	0.98	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Carbon tetrachloride	<1.9		1.9	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Chlorobenzene	<1.9		1.9	0.70	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Chloroform	<1.9		1.9	0.66	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
cis-1,2-Dichloroethene	<1.9		1.9	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
cis-1,3-Dichloropropene	<1.9		1.9	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Dibromochloromethane	<1.9		1.9	0.62	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Ethylbenzene	<1.9		1.9	0.91	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Methyl tert-butyl ether	<1.9		1.9	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Methylene Chloride	<4.7		4.7	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Styrene	<1.9		1.9	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Tetrachloroethene	<1.9		1.9	0.64	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Toluene	<1.9		1.9	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
trans-1,2-Dichloroethene	<1.9		1.9	0.84	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
trans-1,3-Dichloropropene	<1.9		1.9	0.66	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Trichloroethene	<1.9		1.9	0.64	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Vinyl chloride	<1.9		1.9	0.84	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1
Xylenes, Total	<3.8		3.8	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 06:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/22/19 19:45	08/31/19 06:37	1
4-Bromofluorobenzene (Surr)	96		75 - 131	08/22/19 19:45	08/31/19 06:37	1
Dibromofluoromethane	100		75 - 126	08/22/19 19:45	08/31/19 06:37	1
Toluene-d8 (Surr)	97		75 - 124	08/22/19 19:45	08/31/19 06:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-6(0-3.5)-082219**

**Lab Sample ID: 500-168790-16**

Date Collected: 08/22/19 12:25

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Anthracene</b>	<b>6.7 J</b>		38	6.4	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Benzo[a]pyrene</b>	<b>43</b>		38	7.5	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Benzo[b]fluoranthene</b>	<b>82</b>		38	8.3	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Benzo[g,h,i]perylene</b>	<b>18 J</b>		38	12	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Benzo[k]fluoranthene</b>	<b>26 J</b>		38	11	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Carbazole	<190		190	96	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Chrysene</b>	<b>57</b>		38	11	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Fluoranthene</b>	<b>91</b>		38	7.1	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-6(0-3.5)-082219**

**Lab Sample ID: 500-168790-16**

Date Collected: 08/22/19 12:25

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>26</b>	<b>J</b>	38	10	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Isophorone	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Phenanthrene</b>	<b>38</b>		38	5.4	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
Phenol	<190		190	86	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Pyrene</b>	<b>72</b>		38	7.7	ug/Kg	☼	08/29/19 07:38	08/30/19 01:48	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	95		31 - 143				08/29/19 07:38	08/30/19 01:48	1
<i>2-Fluorobiphenyl</i>	84		43 - 145				08/29/19 07:38	08/30/19 01:48	1
<i>2-Fluorophenol</i>	119		31 - 166				08/29/19 07:38	08/30/19 01:48	1
<i>Nitrobenzene-d5</i>	81		37 - 147				08/29/19 07:38	08/30/19 01:48	1
<i>Phenol-d5</i>	94		30 - 153				08/29/19 07:38	08/30/19 01:48	1
<i>Terphenyl-d14</i>	90		42 - 157				08/29/19 07:38	08/30/19 01:48	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		09/03/19 08:00	09/03/19 17:26	1
<b>Barium</b>	<b>0.24</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 08:00	09/03/19 17:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 17:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 17:26	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:26	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:26	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:26	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 17:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 17:26	1
<b>Manganese</b>	<b>1.1</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:26	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:26	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 17:26	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:26	1
<b>Zinc</b>	<b>0.34</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 07:55	09/03/19 19:53	1
Barium	<0.50		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 19:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 19:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 19:53	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:53	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:53	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:53	1
<b>Iron</b>	<b>0.83</b>		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 19:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 19:53	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:53	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 19:53	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 19:53	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-6(0-3.5)-082219**

**Lab Sample ID: 500-168790-16**

Date Collected: 08/22/19 12:25

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 85.8

**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		09/03/19 07:55	09/03/19 19:53	1
Zinc	0.23	J	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 19:53	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.1	0.22	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Arsenic	7.2		0.56	0.19	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Barium	53		0.56	0.064	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Beryllium	0.43		0.22	0.052	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Cadmium	0.41	B	0.11	0.020	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Calcium	62000	B	56	9.5	mg/Kg	☼	08/29/19 17:20	09/03/19 15:49	5
Chromium	14		0.56	0.28	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Cobalt	10		0.28	0.074	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Copper	23		0.56	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Iron	18000		11	5.8	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Lead	49		0.28	0.13	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Magnesium	30000		5.6	2.8	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Manganese	620		0.56	0.081	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Nickel	24		0.56	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Potassium	2000		28	9.9	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Selenium	0.51	J B	0.56	0.33	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Silver	2.7		0.28	0.072	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Sodium	930		56	8.3	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Thallium	0.54	J	0.56	0.28	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Vanadium	18		0.28	0.066	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1
Zinc	75		1.1	0.49	mg/Kg	☼	08/29/19 17:20	08/30/19 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 09:09	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		19	6.3	ug/Kg	☼	08/28/19 13:50	08/29/19 08:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			08/30/19 11:09	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-4(0-3.5)-082219**

**Lab Sample ID: 500-168790-18**

**Date Collected: 08/22/19 12:45**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 88.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.63	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
1,3-Dichloropropene, Total	<1.9		1.9	0.66	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Acetone	<19		19	8.1	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Carbon disulfide	<4.7		4.7	0.97	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Chloroform	<1.9		1.9	0.65	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Methylene Chloride	<4.7		4.7	1.8	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Tetrachloroethene	<1.9		1.9	0.64	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
trans-1,2-Dichloroethene	<1.9		1.9	0.83	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
trans-1,3-Dichloropropene	<1.9		1.9	0.66	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Vinyl chloride	<1.9		1.9	0.83	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1
Xylenes, Total	<3.7		3.7	0.60	ug/Kg	☼	08/22/19 19:45	08/31/19 07:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	08/22/19 19:45	08/31/19 07:28	1
4-Bromofluorobenzene (Surr)	96		75 - 131	08/22/19 19:45	08/31/19 07:28	1
Dibromofluoromethane	98		75 - 126	08/22/19 19:45	08/31/19 07:28	1
Toluene-d8 (Surr)	100		75 - 124	08/22/19 19:45	08/31/19 07:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-4(0-3.5)-082219**

**Lab Sample ID: 500-168790-18**

**Date Collected: 08/22/19 12:45**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 88.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
<b>Benzo[b]fluoranthene</b>	<b>11 J</b>		37	8.0	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
<b>Benzo[g,h,i]perylene</b>	<b>20 J</b>		37	12	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Carbazole	<190		190	93	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Chrysene	<37		37	10	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
<b>Fluoranthene</b>	<b>9.6 J</b>		37	6.9	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-4(0-3.5)-082219**

**Lab Sample ID: 500-168790-18**

Date Collected: 08/22/19 12:45

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Isophorone	<190		190	42	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
<b>Phenanthrene</b>	<b>12</b>	<b>J</b>	37	5.2	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Phenol	<190		190	82	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
<b>Pyrene</b>	<b>17</b>	<b>J</b>	37	7.4	ug/Kg	☼	08/29/19 07:38	08/30/19 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	103		31 - 143				08/29/19 07:38	08/30/19 02:42	1
2-Fluorobiphenyl	83		43 - 145				08/29/19 07:38	08/30/19 02:42	1
2-Fluorophenol	107		31 - 166				08/29/19 07:38	08/30/19 02:42	1
Nitrobenzene-d5	79		37 - 147				08/29/19 07:38	08/30/19 02:42	1
Phenol-d5	94		30 - 153				08/29/19 07:38	08/30/19 02:42	1
Terphenyl-d14	95		42 - 157				08/29/19 07:38	08/30/19 02:42	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		09/03/19 08:00	09/03/19 17:34	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		09/03/19 08:00	09/03/19 17:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 17:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 17:34	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:34	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:34	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:34	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 17:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 17:34	1
<b>Manganese</b>	<b>1.2</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:34	1
<b>Nickel</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:34	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 17:34	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:34	1
<b>Zinc</b>	<b>0.17</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 17:34	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		09/03/19 07:55	09/03/19 20:09	1
Barium	<0.50		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 20:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 20:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 20:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:09	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:09	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 20:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 20:09	1
Manganese	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:09	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:09	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 20:09	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: ROW-4(0-3.5)-082219**

**Lab Sample ID: 500-168790-18**

Date Collected: 08/22/19 12:45

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:09	1
<b>Zinc</b>	<b>0.32</b>	<b>J</b>	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 20:09	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Arsenic</b>	<b>6.2</b>		0.56	0.19	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Barium</b>	<b>36</b>		0.56	0.063	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Beryllium</b>	<b>0.43</b>		0.22	0.052	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Cadmium</b>	<b>0.38</b>	<b>B</b>	0.11	0.020	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Calcium</b>	<b>73000</b>	<b>B</b>	56	9.4	mg/Kg	☼	08/29/19 17:20	09/03/19 15:57	5
<b>Chromium</b>	<b>13</b>		0.56	0.28	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Cobalt</b>	<b>9.8</b>		0.28	0.073	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Copper</b>	<b>25</b>		0.56	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Iron</b>	<b>17000</b>		11	5.8	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Lead</b>	<b>34</b>		0.28	0.13	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Magnesium</b>	<b>33000</b>		5.6	2.8	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Manganese</b>	<b>500</b>		0.56	0.081	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Nickel</b>	<b>25</b>		0.56	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Potassium</b>	<b>2300</b>		28	9.8	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Selenium</b>	<b>0.45</b>	<b>J B</b>	0.56	0.33	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Silver</b>	<b>2.6</b>		0.28	0.072	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Sodium</b>	<b>2800</b>		56	8.2	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Thallium</b>	<b>0.65</b>		0.56	0.28	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Vanadium</b>	<b>17</b>		0.28	0.066	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1
<b>Zinc</b>	<b>70</b>		1.1	0.49	mg/Kg	☼	08/29/19 17:20	08/30/19 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 09:12	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>16</b>	<b>J</b>	18	6.0	ug/Kg	☼	08/28/19 13:50	08/29/19 08:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			08/30/19 11:14	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC16-3(0-3.2)-082219**

**Lab Sample ID: 500-168790-20**

**Date Collected: 08/22/19 13:05**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 83.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Acetone	<16		16	6.8	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Toluene	<1.6		1.6	0.39	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 08:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/22/19 19:45	08/31/19 08:18	1
4-Bromofluorobenzene (Surr)	98		75 - 131	08/22/19 19:45	08/31/19 08:18	1
Dibromofluoromethane	99		75 - 126	08/22/19 19:45	08/31/19 08:18	1
Toluene-d8 (Surr)	100		75 - 124	08/22/19 19:45	08/31/19 08:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC16-3(0-3.2)-082219**

**Lab Sample ID: 500-168790-20**

**Date Collected: 08/22/19 13:05**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 83.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Anthracene	<39		39	6.5	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Benzo[a]anthracene</b>	<b>29</b>	<b>J</b>	39	5.3	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Benzo[a]pyrene</b>	<b>35</b>	<b>J</b>	39	7.6	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Benzo[b]fluoranthene</b>	<b>52</b>		39	8.5	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Benzo[g,h,i]perylene</b>	<b>41</b>		39	13	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Benzo[k]fluoranthene</b>	<b>21</b>	<b>J</b>	39	12	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Carbazole	<200		200	98	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Chrysene</b>	<b>47</b>		39	11	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Fluoranthene</b>	<b>71</b>		39	7.3	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC16-3(0-3.2)-082219**

**Lab Sample ID: 500-168790-20**

Date Collected: 08/22/19 13:05

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>25</b>	<b>J</b>	39	10	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Isophorone	<200		200	44	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Naphthalene	<39		39	6.0	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Phenanthrene</b>	<b>28</b>	<b>J</b>	39	5.5	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
Phenol	<200		200	87	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Pyrene</b>	<b>60</b>		39	7.8	ug/Kg	☼	08/29/19 07:38	08/30/19 15:25	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	87		31 - 143				08/29/19 07:38	08/30/19 15:25	1
2-Fluorobiphenyl	85		43 - 145				08/29/19 07:38	08/30/19 15:25	1
2-Fluorophenol	99		31 - 166				08/29/19 07:38	08/30/19 15:25	1
Nitrobenzene-d5	78		37 - 147				08/29/19 07:38	08/30/19 15:25	1
Phenol-d5	84		30 - 153				08/29/19 07:38	08/30/19 15:25	1
Terphenyl-d14	99		42 - 157				08/29/19 07:38	08/30/19 15:25	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 08:00	09/03/19 17:38	1
<b>Barium</b>	<b>0.51</b>		0.50	0.050	mg/L		09/03/19 08:00	09/03/19 17:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 17:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 17:38	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:38	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:38	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:38	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 17:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 17:38	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:38	1
<b>Nickel</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:38	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 17:38	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 17:38	1
<b>Zinc</b>	<b>0.054</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.028</b>	<b>J</b>	0.050	0.010	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Barium</b>	<b>0.41</b>	<b>J</b>	0.50	0.050	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Beryllium</b>	<b>0.0048</b>		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Cadmium</b>	<b>0.0027</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Chromium</b>	<b>0.12</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Cobalt</b>	<b>0.054</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Copper</b>	<b>0.17</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Iron</b>	<b>99</b>		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Lead</b>	<b>0.062</b>		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Manganese</b>	<b>0.66</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:13	1
<b>Nickel</b>	<b>0.15</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:13	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 20:13	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC16-3(0-3.2)-082219**

**Lab Sample ID: 500-168790-20**

Date Collected: 08/22/19 13:05

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:13	1
Zinc	0.29	J	0.50	0.020	mg/L		09/03/19 07:55	09/03/19 20:13	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.2	0.23	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Arsenic	6.6		0.58	0.20	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Barium	67		0.58	0.067	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Beryllium	0.46		0.23	0.055	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Cadmium	0.51	B	0.12	0.021	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Calcium	80000	B	58	9.9	mg/Kg	☼	08/29/19 17:20	09/03/19 16:01	5
Chromium	19		0.58	0.29	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Cobalt	10		0.29	0.077	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Copper	36		0.58	0.16	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Iron	19000		12	6.1	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Lead	61		0.29	0.14	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Magnesium	42000		29	14	mg/Kg	☼	08/29/19 17:20	09/03/19 16:01	5
Manganese	440		0.58	0.085	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Nickel	26		0.58	0.17	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Potassium	2300		29	10	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Selenium	0.44	J B	0.58	0.34	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Silver	2.7		0.29	0.075	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Sodium	1300		58	8.7	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Thallium	0.66		0.58	0.29	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Vanadium	17		0.29	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1
Zinc	100		1.2	0.51	mg/Kg	☼	08/29/19 17:20	08/30/19 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 10:15	09/04/19 09:14	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		17	5.8	ug/Kg	☼	08/28/19 13:50	08/29/19 08:44	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.2	0.2	SU			08/30/19 11:25	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC16-2(0-3.2)-082219**

**Lab Sample ID: 500-168790-21**

**Date Collected: 08/22/19 13:15**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 79.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Acetone	<17		17	7.4	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	08/22/19 19:45	08/31/19 08:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	08/22/19 19:45	08/31/19 08:43	1
4-Bromofluorobenzene (Surr)	94		75 - 131	08/22/19 19:45	08/31/19 08:43	1
Dibromofluoromethane	100		75 - 126	08/22/19 19:45	08/31/19 08:43	1
Toluene-d8 (Surr)	97		75 - 124	08/22/19 19:45	08/31/19 08:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC16-2(0-3.2)-082219**

**Lab Sample ID: 500-168790-21**

**Date Collected: 08/22/19 13:15**

**Matrix: Solid**

**Date Received: 08/22/19 18:10**

**Percent Solids: 79.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2,4-Dinitrophenol	<830	*	830	730	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2-Methylphenol	<210		210	66	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Anthracene	<41		41	6.9	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
<b>Benzo[a]anthracene</b>	<b>26</b>	<b>J</b>	41	5.6	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
<b>Benzo[a]pyrene</b>	<b>39</b>	<b>J</b>	41	8.0	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
<b>Benzo[b]fluoranthene</b>	<b>65</b>		41	8.9	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
<b>Benzo[g,h,i]perylene</b>	<b>41</b>		41	13	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Carbazole	<210		210	100	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
<b>Chrysene</b>	<b>47</b>		41	11	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Dibenzofuran	<210		210	48	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
<b>Fluoranthene</b>	<b>54</b>		41	7.7	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Fluorene	<41		41	5.8	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Hexachloroethane	<210		210	63	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC16-2(0-3.2)-082219**

**Lab Sample ID: 500-168790-21**

Date Collected: 08/22/19 13:15

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>18</b>	<b>J</b>	41	11	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Isophorone	<210		210	46	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Naphthalene	<41		41	6.3	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Nitrobenzene	<41		41	10	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
<b>Phenanthrene</b>	<b>19</b>	<b>J</b>	41	5.8	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Phenol	<210		210	92	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
<b>Pyrene</b>	<b>65</b>		41	8.2	ug/Kg	☼	08/28/19 19:47	08/29/19 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		31 - 143				08/28/19 19:47	08/29/19 15:47	1
2-Fluorobiphenyl	78		43 - 145				08/28/19 19:47	08/29/19 15:47	1
2-Fluorophenol	105		31 - 166				08/28/19 19:47	08/29/19 15:47	1
Nitrobenzene-d5	75		37 - 147				08/28/19 19:47	08/29/19 15:47	1
Phenol-d5	98		30 - 153				08/28/19 19:47	08/29/19 15:47	1
Terphenyl-d14	148		42 - 157				08/28/19 19:47	08/29/19 15:47	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/19 08:00	09/03/19 18:04	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		09/03/19 08:00	09/03/19 18:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/19 08:00	09/03/19 18:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/19 08:00	09/03/19 18:04	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 18:04	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 18:04	1
Copper	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 18:04	1
Iron	<0.40		0.40	0.20	mg/L		09/03/19 08:00	09/03/19 18:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/19 08:00	09/03/19 18:04	1
<b>Manganese</b>	<b>1.2</b>		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 18:04	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 18:04	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 08:00	09/03/19 18:04	1
Silver	<0.025		0.025	0.010	mg/L		09/03/19 08:00	09/03/19 18:04	1
<b>Zinc</b>	<b>0.038</b>	<b>J B</b>	0.50	0.020	mg/L		09/03/19 08:00	09/03/19 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.051</b>		0.050	0.010	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Barium</b>	<b>0.97</b>		0.50	0.050	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Beryllium</b>	<b>0.0067</b>		0.0040	0.0040	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Cadmium</b>	<b>0.0037</b>	<b>J</b>	0.0050	0.0020	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Chromium</b>	<b>0.18</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Cobalt</b>	<b>0.051</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Copper</b>	<b>0.17</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Iron</b>	<b>200</b>		0.40	0.20	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Lead</b>	<b>0.072</b>		0.0075	0.0075	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Manganese</b>	<b>0.96</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:17	1
<b>Nickel</b>	<b>0.20</b>		0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:17	1
Selenium	<0.050		0.050	0.020	mg/L		09/03/19 07:55	09/03/19 20:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

**Client Sample ID: CC16-2(0-3.2)-082219**

**Lab Sample ID: 500-168790-21**

Date Collected: 08/22/19 13:15

Matrix: Solid

Date Received: 08/22/19 18:10

Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.017	J	0.025	0.010	mg/L		09/03/19 07:55	09/03/19 20:17	1
Zinc	0.77		0.50	0.020	mg/L		09/03/19 07:55	09/03/19 20:17	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.2	0.24	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Arsenic	9.0		0.61	0.21	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Barium	61		0.61	0.069	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Beryllium	0.55		0.24	0.057	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Cadmium	0.32	B	0.12	0.022	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Calcium	61000	B	61	10	mg/Kg	☼	08/29/19 17:20	09/03/19 16:05	5
Chromium	16		0.61	0.30	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Cobalt	12		0.30	0.080	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Copper	28		0.61	0.17	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Iron	23000		12	6.3	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Lead	19		0.30	0.14	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Magnesium	30000		6.1	3.0	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Manganese	450		0.61	0.088	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Nickel	32		0.61	0.18	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Potassium	2400		30	11	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Selenium	0.42	J B	0.61	0.36	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Silver	3.7		0.30	0.078	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Sodium	1600		61	9.0	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Thallium	1.1		0.61	0.30	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Vanadium	21		0.30	0.072	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1
Zinc	72		1.2	0.53	mg/Kg	☼	08/29/19 17:20	08/30/19 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/19 16:10	09/04/19 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50		0.50	0.50	ug/L		09/03/19 10:15	09/04/19 09:15	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	21	6.9	ug/Kg	☼	08/28/19 13:50	08/29/19 08:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			08/30/19 11:28	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## 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
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance 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. The data are considered valid because the absolute difference is less than the 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT-Glenview & Prospect Heights-WO 002

Job ID: 500-168790-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60  
Phone: 708.534.5200 Fax: 708.534



500-168790 COC

Report To (optional)  
Contact: Andres Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: Andres-Slessers@weston.com

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SAHF  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO# Reference#

## Chain of Custody Record

Lab Job #: 500-168790

Chain of Custody Number: \_\_\_\_\_

Page 1 of 3

Temperature °C of Cooler: 49.59/49

Client		Client Project #		Preservative		Parameter										Preservative Key	
<u>Weston</u>																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		# of Containers		Matrix										Comments	
<u>IDOT Willow Rd.</u>																	
Project Location/State		Lab PM		Date		Time											
<u>Glennview/Prospect Arches/IL</u>																	
Sampler		Sample ID		Sampling													
<u>C. Pence</u>																	
Lab ID	MS/MSD																
1		<u>IPS-1 (0-3.2)-082219</u>		<u>8/22/19</u>	<u>0830</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
2		<u>IPS-2 (0-3.2)-082219</u>			<u>0840</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
3		<u>CC10-1(0-3.2)-082219</u>			<u>0850</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
4		<u>CC15-7(0-2.7)-082219</u>			<u>0935</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
5		<u>CC15-6(0-2.7)-082219</u>			<u>0945</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
6		<u>CC15-5(0-2.7)-082219</u>			<u>0955</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
7		<u>CC15-4(0-2.7)-082219</u>			<u>1010</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
8		<u>CC15-4(0-2.7)-082219</u>			<u>1010</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
9		<u>CC15-3(0-2.7)-082219</u>			<u>1025</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
10		<u>CC15-2(0-2.7)-082219</u>			<u>1040</u>	<u>6</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Turnaround Time Required (Business Days) \_\_\_\_\_  
 Requested Due Date \_\_\_\_\_  
 Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/22/19</u> Time: <u>1405</u>	Received By: <u>[Signature]</u> Company: <u>SA</u> Date: <u>8/22/19</u> Time: <u>1405</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>1810</u>	Received By: <u>[Signature]</u> Company: <u>TA-COPI</u> Date: <u>8/22/19</u> Time: <u>1810</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

<b>Matrix Key</b> WW - Wastewater W - Water S - Soil SL - Sludge MS - Miscellaneous OL - Oil A - Air SE - Sediment SO - Soil L - Leachate WI - Wipe DW - Drinking Water O - Other	Client Comments:	Lab Comments:
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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: Stamp  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 3  
Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Project Location/State		Lab Project #		Lab PM												Comments	
<u>IDOT W. Main Road</u>		<u>Glenview/Rosnet Heights</u>																	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	SVOCS	VOCs	Herbicides	Total Metals	PCUP/SPUP	metals	PH						
11		CC15-1(0-2.7)-082019	8/22/19	1050	6	S	X	X		X	X	X							
12		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X							
13		ROW-9(0-3.5)-082019		1200	6	S	X	X	X	X	X	X							
14		ROW-8(0-3.5)-082019		1205	6	S	X	X		X	X	X							
15		ROW-7(0-3.5)-082019		1215	6	S	X	X		X	X	X							
16		ROW-6(0-3.5)-082019		1225	6	S	X	X		X	X	X							
17		ROW-5(0-3.5)-082019		1235	6	S	X	X		X	X	X							
18		ROW-4(0-3.5)-082019		1245	6	S	X	X		X	X	X							
19		CC16-4(0-3.2)-082019		1255	6	S	X	X		X	X	X							
20		CC16-3(0-3.2)-082019		1205	6	S	X	X		X	X	X							

Turnaround Time Required (Business Days)

Requested Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days \_\_\_\_\_ Other \_\_\_\_\_

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/22/19</u> Time: <u>1405</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>1405</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/22/19</u> Time: <u>1810</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHI</u> Date: <u>8/22/19</u> Time: <u>1810</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



# TestAmerica

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2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andres Sessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: SAME  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-168790

Chain of Custody Number: \_\_\_\_\_

Page 3 of 5

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter												Preservative Key		
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM										Comments		
<u>DOT Willow Rd.</u>		<u>Glennview/Rospect Acq/US</u>				<u>CiPeri</u>														
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	SVOCS	VOCs	Herbicides	Pesticides	Metals	PCUP/SLCP	Metals	PH						
			Date	Time																
<u>21</u>		<u>CC16-2(0-3.2)-082019</u>	<u>8/22/19</u>	<u>1315</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>							
<u>22</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>							
<u>23</u>		<u>CC16-1(0-3.2)-082019</u>		<u>1325</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>							
<u>24</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1125</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>							
<u>25</u>		<u>CC4-2(0-3.0)-082019</u>		<u>1115</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>							
<u>26</u>		<u>CC4-1(0-3.0)-082019</u>		<u>1105</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>							

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u>	Company: <u>Weston</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1405</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>	Received By: <u>[Signature]</u>	Company: <u>TA-OUT</u>	Date: <u>8/22/19</u>	Time: <u>1810</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: TA  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments: