



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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

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

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

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

### I. Source Location Information

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

Project Name: FAU 3562: Joliet Road at Willow Springs Road Office Phone Number, if available: \_\_\_\_\_

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

6600 Willow Springs Road

City: Indian Head Park State: IL Zip Code: 60525

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

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

Latitude: 41.770119985 Longitude: -87.887476457

(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: 0311415009 BOW: \_\_\_\_\_ BOA: \_\_\_\_\_

### II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: \_\_\_\_\_

PO Box: \_\_\_\_\_

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@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.

Project Name: FAU 3562: Joliet Road at Willow Springs Road

Latitude: 41.770119985 Longitude: -87.887476457

Uncontaminated Site 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 WG-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2826-8. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED 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]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-84389-1

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

I, Kurt T. Fischer 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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.

Printed Name:



3/4/15

Date:



Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

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

**Summary Table of ISGS Site No. 2826-8**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3562: Joliet Road at Willow Springs Road**  
**Countryside, Cook County, Illinois**

Field Sample ID	WG-1(0-7)-091814	WG-1(7-13.5)-091814	WG-1(7-13.5)-091814D	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/18/2014	9/18/2014	9/18/2014	
Location ID	WG-1	WG-1	WG-1	
Depth	0 - 7	7 - 13.5	7 - 13.5	
ISGS Site Number	2826-8	2826-8	2826-8	
<b>Parameter</b>				
Laboratory pH	7.66	8.12	7.93	<6.25, >9.0
<b>VOCs (ug/kg)</b>				
Acetone	ND	ND	17	25000
<b>SVOCs (ug/kg)</b>				
2-Methylnaphthalene	21 J	17 J	25 J	---
Benzo(a)anthracene	ND	ND	16 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	17 J	90 / 1300 / 2100
Benzo(b)fluoranthene	16 J	28 J	22 J	900 / 1500 / 2100
Chrysene	11 J	20 J	16 J	88000
Fluoranthene	ND	30 J	34 J	3100000
Indeno(1,2,3-cd)pyrene	ND	12 J	ND	900 / 900 / 1600
Naphthalene, SVOC	17 J	8.8 J	ND	1800
Phenanthrene	ND	13 J	ND	---
Pyrene	9.4 J	25 J	ND	2300000
<b>Total Metals (mg/kg)</b>				
Arsenic, Total	6.5	5.3	7	11.3/13.0
Barium, Total	57	55	48	1500
Beryllium, Total	0.49	0.44	0.56	22
Cadmium, Total	0.44	0.27	0.18	5.2
Calcium, Total	8700	26000	39000	---
Chromium, Total	12	12	16	21
Cobalt, Total	9.7	8.4	11	20
Copper, Total	18	21	25	2900
Iron, Total	<b>16000</b>	14000	<b>19000</b>	15000/15900
Lead, Total	42 B	34 B	22 B	107
Magnesium, Total	5700	16000	22000	325000
Manganese, Total	300	280	370	630/636
Mercury, Total	0.097	0.059	0.059	0.89
Nickel, Total	17	19	29	100
Potassium, Total	930 B	1000 J	1800 J	---
Selenium, Total	0.7	0.5 J	0.54 J	1.3
Silver, Total	0.05 J	0.024 J	ND	4.4
Sodium, Total	180	260	320	---
Thallium, Total	1	1	1.4	2.6
Vanadium, Total	18 B	15 B	19 B	550
Zinc, Total	58 B	48 B	53 B	5100
<b>TCLP Metals (mg/l)</b>				
Barium, TCLP	0.44 J	0.32 J	0.34 J	2
Cadmium, TCLP	0.0022 J	ND	0.002 J	0.005
Copper, TCLP	ND	0.1 J	ND	0.65
Manganese, TCLP	0.062	<b>0.78</b>	<b>0.79</b>	0.15
Zinc, TCLP	0.026 J	0.045 J	ND	5

**Summary Table of ISGS Site No. 2826-8**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3562: Joliet Road at Willow Springs Road**  
**Countryside, Cook County, Illinois**

Field Sample ID	WG-1(0-7)-091814	WG-1(7-13.5)-091814	WG-1(7-13.5)-091814D	<b>Soil Reference Concentrations<sup>A</sup></b>
Sample Date	9/18/2014	9/18/2014	9/18/2014	
Location ID	WG-1	WG-1	WG-1	
Depth	0 - 7	7 - 13.5	7 - 13.5	
ISGS Site Number	2826-8	2826-8	2826-8	
Parameter				
<b>SPLP Metals (mg/l)</b>				
Arsenic, SPLP	ND	0.012 J	0.017 J	0.05
Barium, SPLP	0.22 J	0.19 J	0.2 J	2
Chromium, SPLP	0.032	0.033	0.041	0.1
Cobalt, SPLP	ND	0.01 J	0.013 J	1
Copper, SPLP	0.076	0.049	0.066	0.65
Iron, SPLP	<b>29 J+</b>	<b>32 J+</b>	<b>42 J+</b>	5
Lead, SPLP	<b>0.06</b>	<b>0.026</b>	<b>0.043</b>	0.0075
Manganese, SPLP	<b>0.19</b>	<b>0.24</b>	<b>0.3</b>	0.15
Nickel, SPLP	0.032	0.04	0.052	0.1
Zinc, SPLP	0.15	0.11	0.15	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.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration biased high.

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

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

TestAmerica Job ID: 500-84389-1  
Client Project/Site: IDOT - Countryside - WO 071

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

Attn: Mr. S. Babusukumar



Authorized for release by:  
9/30/2014 4:40:47 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.*

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(0-7)-091814**

**Lab Sample ID: 500-84389-11**

**Date Collected: 09/18/14 11:30**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 78.6**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6.4	2.7	ug/Kg	*		09/23/14 23:03	1
Benzene	<6.4		6.4	0.87	ug/Kg	*		09/23/14 23:03	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	*		09/23/14 23:03	1
Bromoform	<6.4		6.4	1.5	ug/Kg	*		09/23/14 23:03	1
Bromomethane	<6.4		6.4	1.9	ug/Kg	*		09/23/14 23:03	1
Carbon disulfide	<6.4		6.4	0.95	ug/Kg	*		09/23/14 23:03	1
Carbon tetrachloride	<6.4		6.4	1.2	ug/Kg	*		09/23/14 23:03	1
Chlorobenzene	<6.4		6.4	0.64	ug/Kg	*		09/23/14 23:03	1
Chloroethane	<6.4		6.4	1.7	ug/Kg	*		09/23/14 23:03	1
Chloroform	<6.4		6.4	0.73	ug/Kg	*		09/23/14 23:03	1
Chloromethane	<6.4		6.4	1.3	ug/Kg	*		09/23/14 23:03	1
cis-1,2-Dichloroethene	<6.4		6.4	0.90	ug/Kg	*		09/23/14 23:03	1
cis-1,3-Dichloropropene	<6.4		6.4	0.83	ug/Kg	*		09/23/14 23:03	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg	*		09/23/14 23:03	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg	*		09/23/14 23:03	1
1,2-Dichloroethane	<6.4		6.4	0.94	ug/Kg	*		09/23/14 23:03	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg	*		09/23/14 23:03	1
1,2-Dichloropropane	<6.4		6.4	0.97	ug/Kg	*		09/23/14 23:03	1
1,3-Dichloropropene, Total	<6.4		6.4	0.83	ug/Kg	*		09/23/14 23:03	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg	*		09/23/14 23:03	1
2-Hexanone	<6.4		6.4	1.8	ug/Kg	*		09/23/14 23:03	1
Methylene Chloride	<6.4		6.4	1.7	ug/Kg	*		09/23/14 23:03	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	*		09/23/14 23:03	1
methyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg	*		09/23/14 23:03	1
Methyl tert-butyl ether	<6.4		6.4	1.1	ug/Kg	*		09/23/14 23:03	1
Styrene	<6.4		6.4	0.83	ug/Kg	*		09/23/14 23:03	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg	*		09/23/14 23:03	1
Tetrachloroethene	<6.4		6.4	0.97	ug/Kg	*		09/23/14 23:03	1
Toluene	<6.4		6.4	0.89	ug/Kg	*		09/23/14 23:03	1
trans-1,2-Dichloroethene	<6.4		6.4	0.87	ug/Kg	*		09/23/14 23:03	1
trans-1,3-Dichloropropene	<6.4		6.4	1.1	ug/Kg	*		09/23/14 23:03	1
1,1,1-Trichloroethane	<6.4		6.4	0.95	ug/Kg	*		09/23/14 23:03	1
1,1,2-Trichloroethane	<6.4		6.4	0.87	ug/Kg	*		09/23/14 23:03	1
Trichloroethene	<6.4		6.4	1.0	ug/Kg	*		09/23/14 23:03	1
Vinyl chloride	<6.4		6.4	1.3	ug/Kg	*		09/23/14 23:03	1
Xylenes, Total	<13		13	0.58	ug/Kg	*		09/23/14 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122		09/23/14 23:03	1
Dibromofluoromethane	106		75 - 120		09/23/14 23:03	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134		09/23/14 23:03	1
Toluene-d8 (Surr)	98		75 - 122		09/23/14 23:03	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	45	ug/Kg	*	09/19/14 07:25	09/19/14 20:50	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	*	09/19/14 07:25	09/19/14 20:50	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	*	09/19/14 07:25	09/19/14 20:50	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	*	09/19/14 07:25	09/19/14 20:50	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	*	09/19/14 07:25	09/19/14 20:50	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(0-7)-091814**

**Lab Sample ID: 500-84389-11**

**Date Collected: 09/18/14 11:30**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 78.6**

**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	95	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2,4-Dinitrophenol	<840	*	840	740	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
<b>2-Methylnaphthalene</b>	<b>21</b>	<b>J</b>	41	7.7	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2-Methylphenol	<210		210	67	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
2-Nitrophenol	<410		410	99	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
4,6-Dinitro-2-methylphenol	<410		410	340	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
4-Nitrophenol	<840	*	840	400	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Anthracene	<41		41	7.0	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Benzo[a]anthracene	<41		41	5.6	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Benzo[a]pyrene	<41		41	8.1	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
<b>Benzo[b]fluoranthene</b>	<b>16</b>	<b>J</b>	41	9.0	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Carbazole	<210		210	110	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
<b>Chrysene</b>	<b>11</b>	<b>J</b>	41	11	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Dibenz(a,h)anthracene	<41		41	8.1	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Dibenzofuran	<210		210	49	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Fluoranthene	<41		41	7.7	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Fluorene	<41		41	5.9	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Hexachloroethane	<210		210	63	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(0-7)-091814**

**Lab Sample ID: 500-84389-11**

Date Collected: 09/18/14 11:30

Matrix: Solid

Date Received: 09/18/14 13:00

Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Isophorone	<210		210	47	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
<b>Naphthalene</b>	<b>17</b>	<b>J</b>	41	6.4	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Nitrobenzene	<41		41	10	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Phenanthrene	<41		41	5.8	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
Phenol	<210		210	93	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	1
<b>Pyrene</b>	<b>9.4</b>	<b>J</b>	41	8.3	ug/Kg	☼	09/19/14 07:25	09/19/14 20:50	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	71		35 - 137				09/19/14 07:25	09/19/14 20:50	1
2-Fluorobiphenyl	56		25 - 119				09/19/14 07:25	09/19/14 20:50	1
2-Fluorophenol	52		25 - 110				09/19/14 07:25	09/19/14 20:50	1
Nitrobenzene-d5	53		25 - 115				09/19/14 07:25	09/19/14 20:50	1
Phenol-d5	51		31 - 110				09/19/14 07:25	09/19/14 20:50	1
Terphenyl-d14	77		36 - 134				09/19/14 07:25	09/19/14 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/23/14 08:45	09/23/14 21:28	1
<b>Barium</b>	<b>0.44</b>	<b>J</b>	0.50	0.050	mg/L		09/23/14 08:45	09/23/14 21:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 21:28	1
<b>Cadmium</b>	<b>0.0022</b>	<b>J</b>	0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 21:28	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:28	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:28	1
Copper	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:28	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 21:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 21:28	1
<b>Manganese</b>	<b>0.062</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:28	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:28	1
Selenium	<0.050		0.050	0.010	mg/L		09/23/14 08:45	09/24/14 13:09	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:28	1
<b>Zinc</b>	<b>0.026</b>	<b>J</b>	0.10	0.020	mg/L		09/23/14 08:45	09/23/14 21:28	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		09/20/14 08:30	09/21/14 19:24	1
<b>Barium</b>	<b>0.22</b>	<b>J</b>	0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:24	1
<b>Chromium</b>	<b>0.032</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:24	1
Cobalt	<0.025		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:24	1
<b>Copper</b>	<b>0.076</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:24	1
<b>Iron</b>	<b>29</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:24	1
<b>Lead</b>	<b>0.060</b>		0.0075	0.0075	mg/L		09/20/14 08:30	09/21/14 19:24	1
<b>Manganese</b>	<b>0.19</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:24	1
<b>Nickel</b>	<b>0.032</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:24	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:28	1

TestAmerica Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(0-7)-091814**

**Lab Sample ID: 500-84389-11**

Date Collected: 09/18/14 11:30

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:24	1
Zinc	0.15		0.10	0.020	mg/L		09/20/14 08:30	09/23/14 15:28	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.49	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Arsenic	6.5		0.61	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Barium	57		0.61	0.065	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Beryllium	0.49		0.24	0.049	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Cadmium	0.44		0.12	0.015	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Calcium	8700		12	3.3	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Chromium	12		0.61	0.070	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Cobalt	9.7		0.30	0.061	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Copper	18		0.61	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Iron	16000		12	5.0	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Lead	42	B	0.30	0.090	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Magnesium	5700		6.1	1.3	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Manganese	300		0.61	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Nickel	17		0.61	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Potassium	930	B	30	1.8	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Selenium	0.70		0.61	0.22	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Silver	0.050	J	0.30	0.022	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Sodium	180		61	8.1	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Thallium	1.0		0.61	0.26	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Vanadium	18	B	0.30	0.045	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	1
Zinc	58	B	1.2	0.25	mg/Kg	☼	09/23/14 10:30	09/26/14 19:17	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		09/22/14 10:15	09/23/14 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		09/22/14 10:15	09/23/14 09:21	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	97		19	7.4	ug/Kg	☼	09/19/14 10:00	09/22/14 11:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.66		0.200	0.200	SU			09/23/14 16:40	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-12**

**Date Collected: 09/18/14 11:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 80.4**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	*		09/23/14 23:27	1
Benzene	<6.2		6.2	0.85	ug/Kg	*		09/23/14 23:27	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	*		09/23/14 23:27	1
Bromoform	<6.2		6.2	1.4	ug/Kg	*		09/23/14 23:27	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	*		09/23/14 23:27	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	*		09/23/14 23:27	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	*		09/23/14 23:27	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	*		09/23/14 23:27	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	*		09/23/14 23:27	1
Chloroform	<6.2		6.2	0.72	ug/Kg	*		09/23/14 23:27	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	*		09/23/14 23:27	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	*		09/23/14 23:27	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	*		09/23/14 23:27	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	*		09/23/14 23:27	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	*		09/23/14 23:27	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	*		09/23/14 23:27	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	*		09/23/14 23:27	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	*		09/23/14 23:27	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	*		09/23/14 23:27	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	*		09/23/14 23:27	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	*		09/23/14 23:27	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	*		09/23/14 23:27	1
Methyl Ethyl Ketone	<6.2		6.2	2.3	ug/Kg	*		09/23/14 23:27	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	*		09/23/14 23:27	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	*		09/23/14 23:27	1
Styrene	<6.2		6.2	0.82	ug/Kg	*		09/23/14 23:27	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	*		09/23/14 23:27	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	*		09/23/14 23:27	1
Toluene	<6.2		6.2	0.87	ug/Kg	*		09/23/14 23:27	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	*		09/23/14 23:27	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	*		09/23/14 23:27	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	*		09/23/14 23:27	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	*		09/23/14 23:27	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	*		09/23/14 23:27	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	*		09/23/14 23:27	1
Xylenes, Total	<12		12	0.56	ug/Kg	*		09/23/14 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122		09/23/14 23:27	1
Dibromofluoromethane	107		75 - 120		09/23/14 23:27	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		09/23/14 23:27	1
Toluene-d8 (Surr)	98		75 - 122		09/23/14 23:27	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	*	09/19/14 07:25	09/19/14 21:09	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	*	09/19/14 07:25	09/19/14 21:09	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	*	09/19/14 07:25	09/19/14 21:09	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	*	09/19/14 07:25	09/19/14 21:09	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	*	09/19/14 07:25	09/19/14 21:09	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-12**

**Date Collected: 09/18/14 11:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2,4-Dinitrophenol	<810	*	810	700	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
<b>2-Methylnaphthalene</b>	<b>17</b>	<b>J</b>	40	7.4	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
<b>Benzo[b]fluoranthene</b>	<b>28</b>	<b>J</b>	40	8.6	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Carbazole	<200		200	100	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
<b>Chrysene</b>	<b>20</b>	<b>J</b>	40	11	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
<b>Fluoranthene</b>	<b>30</b>	<b>J</b>	40	7.4	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-12**

Date Collected: 09/18/14 11:45

Matrix: Solid

Date Received: 09/18/14 13:00

Percent Solids: 80.4

**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>12</b>	<b>J</b>	40	10	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Isophorone	<200		200	45	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
<b>Naphthalene</b>	<b>8.8</b>	<b>J</b>	40	6.2	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
<b>Phenanthrene</b>	<b>13</b>	<b>J</b>	40	5.6	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
Phenol	<200		200	89	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	1
<b>Pyrene</b>	<b>25</b>	<b>J</b>	40	8.0	ug/Kg	☼	09/19/14 07:25	09/19/14 21:09	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	77		35 - 137				09/19/14 07:25	09/19/14 21:09	1
2-Fluorobiphenyl	58		25 - 119				09/19/14 07:25	09/19/14 21:09	1
2-Fluorophenol	50		25 - 110				09/19/14 07:25	09/19/14 21:09	1
Nitrobenzene-d5	53		25 - 115				09/19/14 07:25	09/19/14 21:09	1
Phenol-d5	52		31 - 110				09/19/14 07:25	09/19/14 21:09	1
Terphenyl-d14	73		36 - 134				09/19/14 07:25	09/19/14 21:09	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		09/23/14 08:45	09/23/14 21:33	1
<b>Barium</b>	<b>0.32</b>	<b>J</b>	0.50	0.050	mg/L		09/23/14 08:45	09/23/14 21:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 21:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 21:33	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:33	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:33	1
<b>Copper</b>	<b>0.10</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:33	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 21:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 21:33	1
<b>Manganese</b>	<b>0.78</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:33	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:33	1
Selenium	<0.050		0.050	0.010	mg/L		09/23/14 08:45	09/24/14 13:22	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:33	1
<b>Zinc</b>	<b>0.045</b>	<b>J</b>	0.10	0.020	mg/L		09/23/14 08:45	09/23/14 21:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.012</b>	<b>J</b>	0.050	0.010	mg/L		09/20/14 08:30	09/21/14 19:28	1
<b>Barium</b>	<b>0.19</b>	<b>J</b>	0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:28	1
<b>Chromium</b>	<b>0.033</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:28	1
<b>Cobalt</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:28	1
<b>Copper</b>	<b>0.049</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:28	1
<b>Iron</b>	<b>32</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:28	1
<b>Lead</b>	<b>0.026</b>		0.0075	0.0075	mg/L		09/20/14 08:30	09/21/14 19:28	1
<b>Manganese</b>	<b>0.24</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:28	1
<b>Nickel</b>	<b>0.040</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:28	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:41	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-12**

Date Collected: 09/18/14 11:45

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:28	1
Zinc	0.11		0.10	0.020	mg/L		09/20/14 08:30	09/23/14 15:41	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Arsenic	5.3		0.57	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Barium	55		0.57	0.061	mg/Kg	☼	09/23/14 10:30	09/24/14 12:30	1
Beryllium	0.44		0.23	0.046	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Cadmium	0.27		0.11	0.014	mg/Kg	☼	09/23/14 10:30	09/24/14 12:30	1
Calcium	26000		11	3.1	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Chromium	12		0.57	0.066	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Cobalt	8.4		0.28	0.057	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Copper	21		0.57	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Iron	14000		11	4.7	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Lead	34	B	0.28	0.085	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Magnesium	16000		5.7	1.2	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Manganese	280		0.57	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Nickel	19		0.57	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Potassium	1000	B	28	1.7	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Selenium	0.50	J	0.57	0.20	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Silver	0.024	J	0.28	0.021	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Sodium	260		57	7.6	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Thallium	1.0		0.57	0.24	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Vanadium	15	B	0.28	0.042	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	1
Zinc	48	B	1.1	0.23	mg/Kg	☼	09/23/14 10:30	09/26/14 19:39	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		09/22/14 10:15	09/23/14 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		09/22/14 10:15	09/23/14 09:23	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	59		18	7.0	ug/Kg	☼	09/19/14 10:00	09/22/14 12:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12		0.200	0.200	SU			09/23/14 17:00	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(7-13.5)-091814D**

**Lab Sample ID: 500-84389-13**

**Date Collected: 09/18/14 11:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 76.0**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17		6.6	2.8	ug/Kg	☼		09/23/14 23:51	1
Benzene	<6.6		6.6	0.90	ug/Kg	☼		09/23/14 23:51	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg	☼		09/23/14 23:51	1
Bromoform	<6.6		6.6	1.5	ug/Kg	☼		09/23/14 23:51	1
Bromomethane	<6.6		6.6	2.0	ug/Kg	☼		09/23/14 23:51	1
Carbon disulfide	<6.6		6.6	0.98	ug/Kg	☼		09/23/14 23:51	1
Carbon tetrachloride	<6.6		6.6	1.2	ug/Kg	☼		09/23/14 23:51	1
Chlorobenzene	<6.6		6.6	0.67	ug/Kg	☼		09/23/14 23:51	1
Chloroethane	<6.6		6.6	1.8	ug/Kg	☼		09/23/14 23:51	1
Chloroform	<6.6		6.6	0.76	ug/Kg	☼		09/23/14 23:51	1
Chloromethane	<6.6		6.6	1.4	ug/Kg	☼		09/23/14 23:51	1
cis-1,2-Dichloroethene	<6.6		6.6	0.93	ug/Kg	☼		09/23/14 23:51	1
cis-1,3-Dichloropropene	<6.6		6.6	0.86	ug/Kg	☼		09/23/14 23:51	1
Dibromochloromethane	<6.6		6.6	1.1	ug/Kg	☼		09/23/14 23:51	1
1,1-Dichloroethane	<6.6		6.6	1.0	ug/Kg	☼		09/23/14 23:51	1
1,2-Dichloroethane	<6.6		6.6	0.97	ug/Kg	☼		09/23/14 23:51	1
1,1-Dichloroethene	<6.6		6.6	1.1	ug/Kg	☼		09/23/14 23:51	1
1,2-Dichloropropane	<6.6		6.6	1.0	ug/Kg	☼		09/23/14 23:51	1
1,3-Dichloropropene, Total	<6.6		6.6	0.86	ug/Kg	☼		09/23/14 23:51	1
Ethylbenzene	<6.6		6.6	1.3	ug/Kg	☼		09/23/14 23:51	1
2-Hexanone	<6.6		6.6	1.9	ug/Kg	☼		09/23/14 23:51	1
Methylene Chloride	<6.6		6.6	1.8	ug/Kg	☼		09/23/14 23:51	1
Methyl Ethyl Ketone	<6.6		6.6	2.4	ug/Kg	☼		09/23/14 23:51	1
methyl isobutyl ketone	<6.6		6.6	1.7	ug/Kg	☼		09/23/14 23:51	1
Methyl tert-butyl ether	<6.6		6.6	1.1	ug/Kg	☼		09/23/14 23:51	1
Styrene	<6.6		6.6	0.86	ug/Kg	☼		09/23/14 23:51	1
1,1,2,2-Tetrachloroethane	<6.6		6.6	1.3	ug/Kg	☼		09/23/14 23:51	1
Tetrachloroethene	<6.6		6.6	1.0	ug/Kg	☼		09/23/14 23:51	1
Toluene	<6.6		6.6	0.92	ug/Kg	☼		09/23/14 23:51	1
trans-1,2-Dichloroethene	<6.6		6.6	0.91	ug/Kg	☼		09/23/14 23:51	1
trans-1,3-Dichloropropene	<6.6		6.6	1.2	ug/Kg	☼		09/23/14 23:51	1
1,1,1-Trichloroethane	<6.6		6.6	0.98	ug/Kg	☼		09/23/14 23:51	1
1,1,2-Trichloroethane	<6.6		6.6	0.90	ug/Kg	☼		09/23/14 23:51	1
Trichloroethene	<6.6		6.6	1.1	ug/Kg	☼		09/23/14 23:51	1
Vinyl chloride	<6.6		6.6	1.4	ug/Kg	☼		09/23/14 23:51	1
Xylenes, Total	<13		13	0.60	ug/Kg	☼		09/23/14 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		09/23/14 23:51	1
Dibromofluoromethane	102		75 - 120		09/23/14 23:51	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134		09/23/14 23:51	1
Toluene-d8 (Surr)	101		75 - 122		09/23/14 23:51	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	45	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(7-13.5)-091814D**

**Lab Sample ID: 500-84389-13**

**Date Collected: 09/18/14 11:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 76.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	96	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2,4-Dinitrophenol	<850	*	850	740	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
<b>2-Methylnaphthalene</b>	<b>25</b>	<b>J</b>	42	7.7	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2-Methylphenol	<210		210	67	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
2-Nitrophenol	<420		420	99	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
4,6-Dinitro-2-methylphenol	<420		420	340	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
4-Nitrophenol	<850	*	850	400	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Acenaphthene	<42		42	7.5	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Acenaphthylene	<42		42	5.5	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Anthracene	<42		42	7.0	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
<b>Benzo[a]anthracene</b>	<b>16</b>	<b>J</b>	42	5.6	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
<b>Benzo[a]pyrene</b>	<b>17</b>	<b>J</b>	42	8.1	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
<b>Benzo[b]fluoranthene</b>	<b>22</b>	<b>J</b>	42	9.1	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Benzo[g,h,i]perylene	<42		42	14	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Benzo[k]fluoranthene	<42		42	12	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Carbazole	<210		210	110	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
<b>Chrysene</b>	<b>16</b>	<b>J</b>	42	11	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Dibenz(a,h)anthracene	<42		42	8.1	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Dibenzofuran	<210		210	49	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
<b>Fluoranthene</b>	<b>34</b>	<b>J</b>	42	7.8	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Fluorene	<42		42	5.9	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Hexachlorobenzene	<85		85	9.7	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Hexachloroethane	<210		210	64	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(7-13.5)-091814D**

**Lab Sample ID: 500-84389-13**

**Date Collected: 09/18/14 11:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 76.0**

**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	<42		42	11	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Isophorone	<210		210	47	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Naphthalene	<42		42	6.5	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Nitrobenzene	<42		42	10	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Pentachlorophenol	<850		850	670	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Phenanthrene	<42		42	5.9	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Phenol	<210		210	93	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Pyrene	<42		42	8.3	ug/Kg	☼	09/19/14 07:25	09/22/14 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		35 - 137				09/19/14 07:25	09/22/14 23:39	1
2-Fluorobiphenyl	53		25 - 119				09/19/14 07:25	09/22/14 23:39	1
2-Fluorophenol	55		25 - 110				09/19/14 07:25	09/22/14 23:39	1
Nitrobenzene-d5	51		25 - 115				09/19/14 07:25	09/22/14 23:39	1
Phenol-d5	54		31 - 110				09/19/14 07:25	09/22/14 23:39	1
Terphenyl-d14	67		36 - 134				09/19/14 07:25	09/22/14 23:39	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		09/23/14 08:45	09/23/14 21:39	1
<b>Barium</b>	<b>0.34</b>	<b>J</b>	0.50	0.050	mg/L		09/23/14 08:45	09/23/14 21:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 21:39	1
<b>Cadmium</b>	<b>0.0020</b>	<b>J</b>	0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 21:39	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:39	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:39	1
Copper	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:39	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 21:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 21:39	1
<b>Manganese</b>	<b>0.79</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:39	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:39	1
Selenium	<0.050		0.050	0.010	mg/L		09/23/14 08:45	09/24/14 13:27	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:39	1
Zinc	<0.10		0.10	0.020	mg/L		09/23/14 08:45	09/23/14 21:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.017</b>	<b>J</b>	0.050	0.010	mg/L		09/20/14 08:30	09/21/14 19:32	1
<b>Barium</b>	<b>0.20</b>	<b>J</b>	0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:32	1
<b>Chromium</b>	<b>0.041</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:32	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:32	1
<b>Copper</b>	<b>0.066</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:32	1
<b>Iron</b>	<b>42</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:32	1
<b>Lead</b>	<b>0.043</b>		0.038	0.038	mg/L		09/20/14 08:30	09/23/14 16:01	5
<b>Manganese</b>	<b>0.30</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:32	1
<b>Nickel</b>	<b>0.052</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:32	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:45	1

TestAmerica Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WG-1(7-13.5)-091814D**

**Lab Sample ID: 500-84389-13**

Date Collected: 09/18/14 11:45

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:32	1
Zinc	0.15		0.10	0.020	mg/L		09/20/14 08:30	09/23/14 15:45	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		1.3	0.50	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Arsenic	7.0		0.63	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Barium	48		0.63	0.067	mg/Kg	☼	09/23/14 10:30	09/24/14 12:35	1
Beryllium	0.56		0.25	0.050	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Cadmium	0.18		0.13	0.016	mg/Kg	☼	09/23/14 10:30	09/24/14 12:35	1
Calcium	39000		13	3.4	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Chromium	16		0.63	0.073	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Cobalt	11		0.31	0.063	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Copper	25		0.63	0.13	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Iron	19000		13	5.2	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Lead	22	B	0.31	0.094	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Magnesium	22000		6.3	1.3	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Manganese	370		0.63	0.13	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Nickel	29		0.63	0.13	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Potassium	1800	B	31	1.9	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Selenium	0.54	J	0.63	0.22	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Silver	<0.31		0.31	0.023	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Sodium	320		63	8.4	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Thallium	1.4		0.63	0.26	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Vanadium	19	B	0.31	0.046	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	1
Zinc	53	B	1.3	0.25	mg/Kg	☼	09/23/14 10:30	09/26/14 19:45	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		09/22/14 10:15	09/23/14 10:12	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		09/22/14 10:15	09/23/14 09:25	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	59		19	7.6	ug/Kg	☼	09/19/14 10:00	09/22/14 12:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.93		0.200	0.200	SU			09/23/14 17:10	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the 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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

# Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

## Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
8260B	5030B	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 Slesers  
Company: Weston Solutions  
Address: 300 Plaza Circle #202  
Address: Mundelein, IL 60060  
Phone: 224-864-7201  
Fax:  
E-Mail: Andris.Slesers@westonsolutions.com

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

## Chain of Custody Record

Lab Job #: 500-84389  
Chain of Custody Number:  
Page 2 of 2  
Temperature °C of Cooler: 1.9

Client		Client Project #		Preservative		Parameter		Comments				
Weston Solutions				7	7	7	7	7	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 #		Matrix								
100T 071-Countryside		50010127										
Project Location/State		Lab PM										
CountrySide, IL		R. Wright										
Sampler												
D. Sena												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCP/SPCL Metals	pH	Comments
11		WG-1(0-7)-091814	9-18-14	11:30	2	SO	X	X	X	X	X	
12		WG-1(7-13.5)-091814	9-18-14	11:45	2	SO	X	X	X	X	X	
13		WG-1(7-13.5)-091814D	9-18-14	11:45	2	SO	X	X	X	X	X	
		* Last Item										*

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>Andris Sena</u>	Company <u>Weston Solutions</u>	Date <u>9-18-14</u>	Time <u>1210</u>	Received By <u>[Signature]</u>	Company <u>TAU</u>	Date <u>9-18-14</u>	Time <u>1210</u>
Relinquished By <u>[Signature]</u>	Company <u>TAC</u>	Date <u>9-18-14</u>	Time <u>1300</u>	Received By <u>[Signature]</u>	Company <u>TA-CHT</u>	Date <u>9-18-14</u>	Time <u>1300</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:



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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

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

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

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

### I. Source Location Information

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

Project Name: FAU 3562: Joliet Road at Willow Springs Road Office Phone Number, if available: \_\_\_\_\_

Physical Site Location (address, including number and street):  
6575 Joliet Road

City: Countryside State: IL Zip Code: 60525

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

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

Latitude: 41.770226680 Longitude: -87.887086987

(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: 0310575036 BOW: \_\_\_\_\_ BOA: \_\_\_\_\_

### II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: \_\_\_\_\_

PO Box: \_\_\_\_\_

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@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.

Project Name: FAU 3562: Joliet Road at Willow Springs Road

Latitude: 41.770226680 Longitude: -87.887086987

Uncontaminated Site 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 HB-1 AND HB-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2826-13. SEE FIGURES 3-1 AND 3-2 AND TABLE 4-1 OF THE REVISED 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]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-84389-1

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

I, Kurt T. Fischer 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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.

Printed Name:



Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

3/4/15

Date:



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

**Summary Table of ISGS Site No. 2826-13**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3562: Joliet Road at Willow Springs Road**  
**Countryside, Cook County, Illinois**

Field Sample ID	HB-1(0-7)-091814	HB-1(7-13.5)-091814	HB-2(0-4.5)-091814	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/18/2014	9/18/2014	9/18/2014	
Location ID	HB-1	HB-1	HB-2	
Depth	0 - 7	7 - 13.5	0 - 4.5	
ISGS Site Number	2826-13	2826-13	2826-13	
<b>Parameter</b>				
Laboratory pH	8.22	7.93	8.08	<6.25, >9.0
<b>VOCs (ug/kg)</b>				
Acetone	ND	9.7	ND	25000
<b>SVOCs (ug/kg)</b>				
2-Methylnaphthalene	ND	11 J	ND	---
Benzo(a)anthracene	ND	ND	52	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	86	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	120	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	91	---
Benzo(k)fluoranthene	ND	ND	49	9000
Chrysene	ND	14 J	71	88000
Dibenzo(a,h)anthracene	ND	ND	37 J	90 / 200 / 420
Fluoranthene	ND	10 J	110	3100000
Indeno(1,2,3-cd)pyrene	ND	ND	69	900 / 900 / 1600
Phenanthrene	ND	27 J	7.5 J	---
Pyrene	ND	22 J	77	2300000
<b>Total Metals (mg/kg)</b>				
Arsenic, Total	7	9.8	6.8	11.3/13.0
Barium, Total	55	23	53	1500
Beryllium, Total	0.51	0.41	0.46	22
Cadmium, Total	0.44	0.58	0.58	5.2
Calcium, Total	15000	38000	52000	---
Chromium, Total	13	12	11	21
Cobalt, Total	8.7	13	8	20
Copper, Total	21	30	23	2900
Iron, Total	<b>16000</b>	<b>21000</b>	15000	15000/15900
Lead, Total	47 B	17 B	37 B	107
Magnesium, Total	8800	24000	33000	325000
Manganese, Total	340	320	330	630/636
Mercury, Total	0.04	0.025	0.037	0.89
Nickel, Total	18	29	18	100
Potassium, Total	1000 B	1500 B	1000 B	---
Selenium, Total	0.73	0.47 J	0.34 J	1.3
Silver, Total	ND	0.049 J	0.037 J	4.4
Sodium, Total	220	270	240	---
Thallium, Total	0.78	1.3	0.84	2.6
Vanadium, Total	17 B	14 B	16 B	550
Zinc, Total	51 B	47 B	48 B	5100
<b>TCLP Metals (mg/l)</b>				
Barium, TCLP	0.32 J	0.23 J	0.35 J	2
Cadmium, TCLP	ND	0.0021 J	0.0022 J	0.005
Copper, TCLP	ND	0.044	0.036	0.65
Manganese, TCLP	<b>0.51</b>	<b>1.1</b>	<b>0.22</b>	0.15
Selenium, TCLP	ND	0.012 J	ND	0.05
Zinc, TCLP	ND	0.02 J	0.02 J	5

**Summary Table of ISGS Site No. 2826-13**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3562: Joliet Road at Willow Springs Road**  
**Countryside, Cook County, Illinois**

Field Sample ID	HB-1(0-7)-091814	HB-1(7-13.5)-091814	HB-2(0-4.5)-091814	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/18/2014	9/18/2014	9/18/2014	
Location ID	HB-1	HB-1	HB-2	
Depth	0 - 7	7 - 13.5	0 - 4.5	
ISGS Site Number	2826-13	2826-13	2826-13	
Parameter				
SPLP Metals (mg/l)				
Arsenic, SPLP	0.015 J	ND	ND	0.05
Barium, SPLP	0.16 J	0.078 J	0.11 J	2
Chromium, SPLP	0.029	0.012 J	0.011 J	0.1
Copper, SPLP	0.1	0.025	0.068	0.65
Iron, SPLP	<b>29 J+</b>	<b>7 J+</b>	<b>9 J+</b>	5
Lead, SPLP	<b>0.016</b>	ND	<b>0.0077</b>	0.0075
Manganese, SPLP	0.15	0.1	0.039	0.15
Nickel, SPLP	0.035	0.014 J	0.011 J	0.1
Zinc, SPLP	0.11	0.037 J	0.06 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.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration biased high.

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



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

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

TestAmerica Job ID: 500-84389-1  
Client Project/Site: IDOT - Countryside - WO 071

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

Attn: Mr. S. Babusukumar



Authorized for release by:  
9/30/2014 4:40:47 PM

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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*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.*

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-2(0-4.5)-091814**

**Lab Sample ID: 500-84389-8**

**Date Collected: 09/18/14 10:15**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 83.3**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	*		09/23/14 19:39	1
Benzene	<6.0		6.0	0.82	ug/Kg	*		09/23/14 19:39	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	*		09/23/14 19:39	1
Bromoform	<6.0		6.0	1.4	ug/Kg	*		09/23/14 19:39	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	*		09/23/14 19:39	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	*		09/23/14 19:39	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	*		09/23/14 19:39	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	*		09/23/14 19:39	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	*		09/23/14 19:39	1
Chloroform	<6.0		6.0	0.69	ug/Kg	*		09/23/14 19:39	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	*		09/23/14 19:39	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	*		09/23/14 19:39	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	*		09/23/14 19:39	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	*		09/23/14 19:39	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	*		09/23/14 19:39	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	*		09/23/14 19:39	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	*		09/23/14 19:39	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	*		09/23/14 19:39	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	*		09/23/14 19:39	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	*		09/23/14 19:39	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	*		09/23/14 19:39	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	*		09/23/14 19:39	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	*		09/23/14 19:39	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	*		09/23/14 19:39	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	*		09/23/14 19:39	1
Styrene	<6.0		6.0	0.79	ug/Kg	*		09/23/14 19:39	1
1,1,1,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	*		09/23/14 19:39	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	*		09/23/14 19:39	1
Toluene	<6.0		6.0	0.84	ug/Kg	*		09/23/14 19:39	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	*		09/23/14 19:39	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	*		09/23/14 19:39	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	*		09/23/14 19:39	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	*		09/23/14 19:39	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	*		09/23/14 19:39	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	*		09/23/14 19:39	1
Xylenes, Total	<12		12	0.54	ug/Kg	*		09/23/14 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		09/23/14 19:39	1
Dibromofluoromethane	103		75 - 120		09/23/14 19:39	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		09/23/14 19:39	1
Toluene-d8 (Surr)	99		75 - 122		09/23/14 19:39	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	*	09/19/14 07:25	09/22/14 23:19	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	*	09/19/14 07:25	09/22/14 23:19	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	*	09/19/14 07:25	09/22/14 23:19	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	*	09/19/14 07:25	09/22/14 23:19	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	*	09/19/14 07:25	09/22/14 23:19	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-2(0-4.5)-091814**

**Lab Sample ID: 500-84389-8**

**Date Collected: 09/18/14 10:15**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 83.3**

**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	☼	09/19/14 07:25	09/22/14 23:19	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2,4-Dinitrophenol	<770	*	770	670	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
4-Nitrophenol	<770	*	770	360	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Benzo[a]anthracene</b>	<b>52</b>		38	5.1	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Benzo[a]pyrene</b>	<b>86</b>		38	7.4	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Benzo[b]fluoranthene</b>	<b>120</b>		38	8.2	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Benzo[g,h,i]perylene</b>	<b>91</b>		38	12	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Benzo[k]fluoranthene</b>	<b>49</b>		38	11	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Carbazole	<190		190	99	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Chrysene</b>	<b>71</b>		38	10	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Dibenz(a,h)anthracene</b>	<b>37</b>	J	38	7.4	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Fluoranthene</b>	<b>110</b>		38	7.1	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-2(0-4.5)-091814**

**Lab Sample ID: 500-84389-8**

Date Collected: 09/18/14 10:15

Matrix: Solid

Date Received: 09/18/14 13:00

Percent Solids: 83.3

**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>69</b>		38	9.9	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Isophorone	<190		190	43	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Phenanthrene</b>	<b>7.5 J</b>		38	5.3	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
Phenol	<190		190	85	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	1
<b>Pyrene</b>	<b>77</b>		38	7.6	ug/Kg	☼	09/19/14 07:25	09/22/14 23:19	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	74		35 - 137				09/19/14 07:25	09/22/14 23:19	1
2-Fluorobiphenyl	63		25 - 119				09/19/14 07:25	09/22/14 23:19	1
2-Fluorophenol	60		25 - 110				09/19/14 07:25	09/22/14 23:19	1
Nitrobenzene-d5	59		25 - 115				09/19/14 07:25	09/22/14 23:19	1
Phenol-d5	66		31 - 110				09/19/14 07:25	09/22/14 23:19	1
Terphenyl-d14	75		36 - 134				09/19/14 07:25	09/22/14 23:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/23/14 08:45	09/23/14 21:13	1
<b>Barium</b>	<b>0.35 J</b>		0.50	0.050	mg/L		09/23/14 08:45	09/23/14 21:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 21:13	1
<b>Cadmium</b>	<b>0.0022 J</b>		0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 21:13	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:13	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:13	1
<b>Copper</b>	<b>0.036</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:13	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 21:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 21:13	1
<b>Manganese</b>	<b>0.22</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:13	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:13	1
Selenium	<0.050		0.050	0.010	mg/L		09/23/14 08:45	09/24/14 12:53	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:13	1
<b>Zinc</b>	<b>0.020 J</b>		0.10	0.020	mg/L		09/23/14 08:45	09/23/14 21:13	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		09/20/14 08:30	09/21/14 19:12	1
<b>Barium</b>	<b>0.11 J</b>		0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:12	1
<b>Chromium</b>	<b>0.011 J</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:12	1
Cobalt	<0.025		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:12	1
<b>Copper</b>	<b>0.068</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:12	1
<b>Iron</b>	<b>9.0</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:12	1
<b>Lead</b>	<b>0.0077</b>		0.0075	0.0075	mg/L		09/20/14 08:30	09/21/14 19:12	1
<b>Manganese</b>	<b>0.039</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:12	1
<b>Nickel</b>	<b>0.011 J</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:12	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:16	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-2(0-4.5)-091814**

**Lab Sample ID: 500-84389-8**

Date Collected: 09/18/14 10:15

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:12	1
Zinc	0.060	J ^	0.10	0.020	mg/L		09/20/14 08:30	09/21/14 19:12	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Arsenic	6.8		0.57	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Barium	53		0.57	0.061	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Beryllium	0.46		0.23	0.046	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Cadmium	0.58		0.11	0.015	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Calcium	52000		11	3.1	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Chromium	11		0.57	0.067	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Cobalt	8.0		0.29	0.057	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Copper	23		0.57	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Iron	15000		11	4.7	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Lead	37	B	0.29	0.086	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Magnesium	33000		5.7	1.2	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Manganese	330		0.57	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Nickel	18		0.57	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Potassium	1000	B	29	1.7	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Selenium	0.34	J	0.57	0.20	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Silver	0.037	J	0.29	0.021	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Sodium	240		57	7.7	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Thallium	0.84		0.57	0.24	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Vanadium	16	B	0.29	0.043	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	1
Zinc	48	B	1.1	0.23	mg/Kg	☼	09/23/14 10:30	09/26/14 18:58	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		09/22/14 10:15	09/23/14 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		09/22/14 10:15	09/23/14 09:16	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	37		17	6.8	ug/Kg	☼	09/19/14 10:00	09/22/14 11:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08		0.200	0.200	SU			09/23/14 16:09	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-1(0-7)-091814**

**Lab Sample ID: 500-84389-9**

**Date Collected: 09/18/14 10:30**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 84.7**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	*		09/23/14 20:03	1
Benzene	<5.9		5.9	0.81	ug/Kg	*		09/23/14 20:03	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	*		09/23/14 20:03	1
Bromoform	<5.9		5.9	1.4	ug/Kg	*		09/23/14 20:03	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	*		09/23/14 20:03	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	*		09/23/14 20:03	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	*		09/23/14 20:03	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	*		09/23/14 20:03	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	*		09/23/14 20:03	1
Chloroform	<5.9		5.9	0.68	ug/Kg	*		09/23/14 20:03	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	*		09/23/14 20:03	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	*		09/23/14 20:03	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	*		09/23/14 20:03	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	*		09/23/14 20:03	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	*		09/23/14 20:03	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	*		09/23/14 20:03	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	*		09/23/14 20:03	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	*		09/23/14 20:03	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	*		09/23/14 20:03	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	*		09/23/14 20:03	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	*		09/23/14 20:03	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	*		09/23/14 20:03	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	*		09/23/14 20:03	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	*		09/23/14 20:03	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	*		09/23/14 20:03	1
Styrene	<5.9		5.9	0.77	ug/Kg	*		09/23/14 20:03	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	*		09/23/14 20:03	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	*		09/23/14 20:03	1
Toluene	<5.9		5.9	0.83	ug/Kg	*		09/23/14 20:03	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	*		09/23/14 20:03	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	*		09/23/14 20:03	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	*		09/23/14 20:03	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	*		09/23/14 20:03	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	*		09/23/14 20:03	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	*		09/23/14 20:03	1
Xylenes, Total	<12		12	0.54	ug/Kg	*		09/23/14 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122		09/23/14 20:03	1
Dibromofluoromethane	103		75 - 120		09/23/14 20:03	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		09/23/14 20:03	1
Toluene-d8 (Surr)	100		75 - 122		09/23/14 20:03	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	42	ug/Kg	*	09/19/14 07:25	09/19/14 20:12	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	*	09/19/14 07:25	09/19/14 20:12	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	*	09/19/14 07:25	09/19/14 20:12	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	*	09/19/14 07:25	09/19/14 20:12	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	*	09/19/14 07:25	09/19/14 20:12	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-1(0-7)-091814**

**Lab Sample ID: 500-84389-9**

**Date Collected: 09/18/14 10:30**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 84.7**

**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	☼	09/19/14 07:25	09/19/14 20:12	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2,4-Dinitrophenol	<780	*	780	680	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
4-Nitrophenol	<780	*	780	370	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Carbazole	<190		190	100	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Chrysene	<38		38	11	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Hexachloroethane	<190		190	59	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-1(0-7)-091814**

**Lab Sample ID: 500-84389-9**

**Date Collected: 09/18/14 10:30**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 84.7**

**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	☼	09/19/14 07:25	09/19/14 20:12	1
Isophorone	<190		190	43	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Phenol	<190		190	86	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Pyrene	<38		38	7.7	ug/Kg	☼	09/19/14 07:25	09/19/14 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		35 - 137				09/19/14 07:25	09/19/14 20:12	1
2-Fluorobiphenyl	64		25 - 119				09/19/14 07:25	09/19/14 20:12	1
2-Fluorophenol	63		25 - 110				09/19/14 07:25	09/19/14 20:12	1
Nitrobenzene-d5	65		25 - 115				09/19/14 07:25	09/19/14 20:12	1
Phenol-d5	60		31 - 110				09/19/14 07:25	09/19/14 20:12	1
Terphenyl-d14	86		36 - 134				09/19/14 07:25	09/19/14 20:12	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		09/23/14 08:45	09/23/14 21:18	1
<b>Barium</b>	<b>0.32</b>	<b>J</b>	0.50	0.050	mg/L		09/23/14 08:45	09/23/14 21:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 21:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 21:18	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:18	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:18	1
Copper	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:18	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 21:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 21:18	1
<b>Manganese</b>	<b>0.51</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:18	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:18	1
Selenium	<0.050		0.050	0.010	mg/L		09/23/14 08:45	09/24/14 12:58	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:18	1
Zinc	<0.10		0.10	0.020	mg/L		09/23/14 08:45	09/23/14 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.015</b>	<b>J</b>	0.050	0.010	mg/L		09/20/14 08:30	09/21/14 19:16	1
<b>Barium</b>	<b>0.16</b>	<b>J</b>	0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:16	1
<b>Chromium</b>	<b>0.029</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:16	1
Cobalt	<0.025		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:16	1
<b>Copper</b>	<b>0.10</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:16	1
<b>Iron</b>	<b>29</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:16	1
<b>Lead</b>	<b>0.016</b>		0.0075	0.0075	mg/L		09/20/14 08:30	09/21/14 19:16	1
<b>Manganese</b>	<b>0.15</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:16	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:16	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:20	1

TestAmerica Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-1(0-7)-091814**

**Lab Sample ID: 500-84389-9**

Date Collected: 09/18/14 10:30

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:16	1
Zinc	0.11		0.10	0.020	mg/L		09/20/14 08:30	09/23/14 15:20	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Arsenic	7.0		0.56	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Barium	55		0.56	0.060	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Beryllium	0.51		0.23	0.045	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Cadmium	0.44		0.11	0.014	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Calcium	15000		11	3.1	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Chromium	13		0.56	0.065	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Cobalt	8.7		0.28	0.056	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Copper	21		0.56	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Iron	16000		11	4.6	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Lead	47	B	0.28	0.084	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Magnesium	8800		5.6	1.2	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Manganese	340		0.56	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Nickel	18		0.56	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Potassium	1000	B	28	1.7	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Selenium	0.73		0.56	0.20	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Sodium	220		56	7.5	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Thallium	0.78		0.56	0.24	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Vanadium	17	B	0.28	0.042	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	1
Zinc	51	B	1.1	0.23	mg/Kg	☼	09/23/14 10:30	09/26/14 19:04	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		09/22/14 10:15	09/23/14 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		09/22/14 10:15	09/23/14 09:18	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	40		18	7.2	ug/Kg	☼	09/19/14 10:00	09/22/14 11:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.22		0.200	0.200	SU			09/23/14 16:19	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-10**

**Date Collected: 09/18/14 10:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 81.8**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.7		6.1	2.6	ug/Kg	☼		09/23/14 22:39	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		09/23/14 22:39	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 22:39	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		09/23/14 22:39	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		09/23/14 22:39	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		09/23/14 22:39	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 22:39	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		09/23/14 22:39	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		09/23/14 22:39	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		09/23/14 22:39	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		09/23/14 22:39	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		09/23/14 22:39	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 22:39	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 22:39	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		09/23/14 22:39	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		09/23/14 22:39	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		09/23/14 22:39	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		09/23/14 22:39	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 22:39	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		09/23/14 22:39	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		09/23/14 22:39	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		09/23/14 22:39	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/14 22:39	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		09/23/14 22:39	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		09/23/14 22:39	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 22:39	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/23/14 22:39	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		09/23/14 22:39	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		09/23/14 22:39	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		09/23/14 22:39	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 22:39	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		09/23/14 22:39	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		09/23/14 22:39	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		09/23/14 22:39	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/14 22:39	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		09/23/14 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122		09/23/14 22:39	1
Dibromofluoromethane	103		75 - 120		09/23/14 22:39	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		09/23/14 22:39	1
Toluene-d8 (Surr)	100		75 - 122		09/23/14 22:39	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	☼	09/19/14 07:25	09/19/14 20:31	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-10**

**Date Collected: 09/18/14 10:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 81.8**

**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	91	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2,4-Dinitrophenol	<800	*	800	700	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
<b>2-Methylnaphthalene</b>	<b>11</b>	<b>J</b>	39	7.3	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
4-Nitrophenol	<800	*	800	380	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Anthracene	<39		39	6.6	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Carbazole	<200		200	100	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
<b>Chrysene</b>	<b>14</b>	<b>J</b>	39	11	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
<b>Fluoranthene</b>	<b>10</b>	<b>J</b>	39	7.4	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Fluorene	<39		39	5.6	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-10**

**Date Collected: 09/18/14 10:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 81.8**

**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	☼	09/19/14 07:25	09/19/14 20:31	1
Isophorone	<200		200	45	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Naphthalene	<39		39	6.1	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
<b>Phenanthrene</b>	<b>27</b>	<b>J</b>	39	5.5	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Phenol	<200		200	88	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
<b>Pyrene</b>	<b>22</b>	<b>J</b>	39	7.9	ug/Kg	☼	09/19/14 07:25	09/19/14 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137				09/19/14 07:25	09/19/14 20:31	1
2-Fluorobiphenyl	62		25 - 119				09/19/14 07:25	09/19/14 20:31	1
2-Fluorophenol	58		25 - 110				09/19/14 07:25	09/19/14 20:31	1
Nitrobenzene-d5	60		25 - 115				09/19/14 07:25	09/19/14 20:31	1
Phenol-d5	57		31 - 110				09/19/14 07:25	09/19/14 20:31	1
Terphenyl-d14	82		36 - 134				09/19/14 07:25	09/19/14 20:31	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		09/23/14 08:45	09/23/14 21:23	1
<b>Barium</b>	<b>0.23</b>	<b>J</b>	0.50	0.050	mg/L		09/23/14 08:45	09/23/14 21:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 21:23	1
<b>Cadmium</b>	<b>0.0021</b>	<b>J</b>	0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 21:23	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:23	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:23	1
<b>Copper</b>	<b>0.044</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:23	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 21:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 21:23	1
<b>Manganese</b>	<b>1.1</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:23	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:23	1
<b>Selenium</b>	<b>0.012</b>	<b>J</b>	0.050	0.010	mg/L		09/23/14 08:45	09/24/14 13:04	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:23	1
<b>Zinc</b>	<b>0.020</b>	<b>J</b>	0.10	0.020	mg/L		09/23/14 08:45	09/23/14 21:23	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		09/20/14 08:30	09/21/14 19:20	1
<b>Barium</b>	<b>0.078</b>	<b>J</b>	0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:20	1
<b>Chromium</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:20	1
Cobalt	<0.025		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:20	1
<b>Copper</b>	<b>0.025</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:20	1
<b>Iron</b>	<b>7.0</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/20/14 08:30	09/21/14 19:20	1
<b>Manganese</b>	<b>0.10</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:20	1
<b>Nickel</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:20	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:24	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: HB-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-10**

Date Collected: 09/18/14 10:45

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:20	1
Zinc	0.037	J ^	0.10	0.020	mg/L		09/20/14 08:30	09/21/14 19:20	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Arsenic	9.8		0.58	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Barium	23		0.58	0.062	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Beryllium	0.41		0.23	0.047	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Cadmium	0.58		0.12	0.015	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Calcium	38000		12	3.2	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Chromium	12		0.58	0.068	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Cobalt	13		0.29	0.058	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Copper	30		0.58	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Iron	21000		12	4.8	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Lead	17	B	0.29	0.087	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Magnesium	24000		5.8	1.2	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Manganese	320		0.58	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Nickel	29		0.58	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Potassium	1500	B	29	1.8	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Selenium	0.47	J	0.58	0.21	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Silver	0.049	J	0.29	0.021	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Sodium	270		58	7.8	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Thallium	1.3		0.58	0.25	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Vanadium	14	B	0.29	0.043	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	1
Zinc	47	B	1.2	0.24	mg/Kg	☼	09/23/14 10:30	09/26/14 19:11	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		09/22/14 10:15	09/23/14 10:06	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		09/22/14 10:15	09/23/14 09:19	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		20	8.0	ug/Kg	☼	09/19/14 10:00	09/22/14 11:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.93		0.200	0.200	SU			09/23/14 16:29	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the 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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

# Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

## Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
8260B	5030B	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

# TestAmerica

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



500-84389 COC

Report To (optional)  
Contact: Andris Stesers  
Company: Weston Solutions  
Address: 300 Plaza Circle # 202  
Address: Mundelein, IL 60060  
Phone: 824-864-7201  
Fax:  
E-Mail: Andris.Stesers@westonsolutions.com

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

## Chain of Custody Record

Lab Job #: 500-84389  
Chain of Custody Number:  
Page 1 of 2  
Temperature °C of Cooler: 1.9

Client		Client Project #		Preservative		Parameter		Comments				
Weston Solutions				7	7	7	7	7	<b>Preservative Key</b> 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 #		Parameter		Parameter		VOCs SVOCs Total Metals Trace/Spec Metals pH				
Project Location/State		Lab Project #		Parameter		Parameter						
Country/State		Lab Project #		Parameter		Parameter						
Sampler		Lab PM		Parameter		Parameter		Comments				
D. Sena		R. Wright		Parameter		Parameter						
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	Trace/Spec Metals	pH	Comments
1		CB-1(0-4.5)-091814	9-18-14	8:15	2	SO	X	X	X	X	X	
2		CB-1(0-4.5)-091814D		8:15								
3		SG-1(0-7)-091814		8:30								
4		SG-1(7-13.5)-091814		8:45								
5		WP-1(0-7)-091814		9:15								
6		WP-1(7-13.5)-091814		9:30								
7		SC-1(0-4.5)-091814		9:45								
8		HB-2(0-4.5)-091814		10:15								
9		HB-1(0-7)-091814		10:30								
10		HB-1(7-13.5)-091814	9-18-14	10:45	2	SO	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>David Sena</u>	Company <u>Weston Solutions</u>	Date <u>9-18-14</u>	Time <u>12:00</u>	Received By <u>[Signature]</u>	Company <u>TRC</u>	Date <u>9-18-14</u>	Time <u>12:00</u>
Relinquished By <u>[Signature]</u>	Company <u>TRC</u>	Date <u>9-18-14</u>	Time <u>1:00</u>	Received By <u>[Signature]</u>	Company <u>TRC-CRT</u>	Date <u>9/18/14</u>	Time <u>1:30</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TRC  
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:





Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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

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

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

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

### I. Source Location Information

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

Project Name: FAU 3562: Joliet Road at Willow Springs Road Office Phone Number, if available: \_\_\_\_\_

Physical Site Location (address, including number and street):  
6550 Joliet Road

City: Countryside State: IL Zip Code: 60525

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

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

Latitude: 41.770547452 Longitude: -87.886237045  
(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: \_\_\_\_\_

### II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: \_\_\_\_\_

PO Box: \_\_\_\_\_

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@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.

Project Name: FAU 3562: Joliet Road at Willow Springs Road

Latitude: 41.770547452 Longitude: -87.886237045

Uncontaminated Site 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 SC-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2826-14. SEE FIGURE 3-2 AND TABLE 4-1 OF THE REVISED 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]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-84389-1

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

I, Kurt T. Fischer 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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.

Printed Name:



Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

3/4/15

Date:



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

**Summary Table of ISGS Site No. 2826-14**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3562: Joliet Road at Willow Springs Road**  
**Countryside, Cook County, Illinois**

Field Sample ID	SC-1(0-4.5)-091814	<b>Soil Reference Concentrations<sup>A</sup></b>
Sample Date	9/18/2014	
Location ID	SC-1	
Depth	0 - 4.5	
ISGS Site Number	2826-14	
<b>Parameter</b>		
Laboratory pH	8.55	<6.25, >9.0
<b>VOCs (ug/kg)</b>	<b>None Detected</b>	
<b>SVOCs (ug/kg)</b>		
Fluoranthene	16 J	3100000
Pyrene	13 J	2300000
<b>Total Metals (mg/kg)</b>		
Arsenic, Total	10	11.3/13.0
Barium, Total	49	1500
Beryllium, Total	0.63	22
Cadmium, Total	0.56	5.2
Calcium, Total	35000	---
Chromium, Total	17	21
Cobalt, Total	13	20
Copper, Total	34	2900
Iron, Total	<b>23000</b>	15000/15900
Lead, Total	21 B	107
Magnesium, Total	20000	325000
Manganese, Total	410	630/636
Mercury, Total	0.038	0.89
Nickel, Total	31	100
Potassium, Total	1400 B	---
Selenium, Total	0.43 J	1.3
Sodium, Total	660	---
Thallium, Total	1.4	2.6
Vanadium, Total	21 B	550
Zinc, Total	52 B	5100
<b>TCLP Metals (mg/l)</b>		
Barium, TCLP	0.27 J	2
Cadmium, TCLP	0.0023 J	0.005
Manganese, TCLP	<b>1.8</b>	0.15
Nickel, TCLP	0.015 J	0.1
<b>SPLP Metals (mg/l)</b>		
Barium, SPLP	0.13 J	2
Copper, SPLP	0.02 J	0.65
Iron, SPLP	4.8 J+	5
Manganese, SPLP	0.022 J	0.15
Zinc, SPLP	0.029 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.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration biased high.

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

# TestAmerica

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## ANALYTICAL REPORT

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

TestAmerica Job ID: 500-84389-1  
Client Project/Site: IDOT - Countryside - WO 071

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

Attn: Mr. S. Babusukumar



Authorized for release by:  
9/30/2014 4:40:47 PM

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

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: SC-1(0-4.5)-091814**

**Lab Sample ID: 500-84389-7**

**Date Collected: 09/18/14 09:45**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 82.5**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		09/23/14 19:15	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		09/23/14 19:15	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		09/23/14 19:15	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		09/23/14 19:15	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		09/23/14 19:15	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		09/23/14 19:15	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 19:15	1
Chlorobenzene	<6.1		6.1	0.61	ug/Kg	☼		09/23/14 19:15	1
Chloroethane	<6.1		6.1	1.6	ug/Kg	☼		09/23/14 19:15	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		09/23/14 19:15	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		09/23/14 19:15	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		09/23/14 19:15	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 19:15	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 19:15	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		09/23/14 19:15	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		09/23/14 19:15	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		09/23/14 19:15	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		09/23/14 19:15	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 19:15	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		09/23/14 19:15	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		09/23/14 19:15	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		09/23/14 19:15	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/14 19:15	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		09/23/14 19:15	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		09/23/14 19:15	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 19:15	1
1,1,1,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/23/14 19:15	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		09/23/14 19:15	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		09/23/14 19:15	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		09/23/14 19:15	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 19:15	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		09/23/14 19:15	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		09/23/14 19:15	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		09/23/14 19:15	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/14 19:15	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		09/23/14 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122		09/23/14 19:15	1
Dibromofluoromethane	102		75 - 120		09/23/14 19:15	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		09/23/14 19:15	1
Toluene-d8 (Surr)	101		75 - 122		09/23/14 19:15	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	☼	09/19/14 07:25	09/19/14 19:35	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: SC-1(0-4.5)-091814**

**Lab Sample ID: 500-84389-7**

Date Collected: 09/18/14 09:45

Matrix: Solid

Date Received: 09/18/14 13:00

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2,4-Dinitrophenol	<790	*	790	690	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
4-Chloroaniline	<790		790	190	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
4-Nitrophenol	<790	*	790	370	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Anthracene	<39		39	6.6	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Carbazole	<200		200	100	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Chrysene	<39		39	11	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
<b>Fluoranthene</b>	<b>16</b>	<b>J</b>	39	7.3	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Fluorene	<39		39	5.5	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: SC-1(0-4.5)-091814**

**Lab Sample ID: 500-84389-7**

Date Collected: 09/18/14 09:45

Matrix: Solid

Date Received: 09/18/14 13:00

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Isophorone	<200		200	44	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Naphthalene	<39		39	6.1	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Phenol	<200		200	88	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
<b>Pyrene</b>	<b>13</b>	<b>J</b>	39	7.8	ug/Kg	☼	09/19/14 07:25	09/19/14 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		35 - 137				09/19/14 07:25	09/19/14 19:35	1
2-Fluorobiphenyl	46		25 - 119				09/19/14 07:25	09/19/14 19:35	1
2-Fluorophenol	45		25 - 110				09/19/14 07:25	09/19/14 19:35	1
Nitrobenzene-d5	44		25 - 115				09/19/14 07:25	09/19/14 19:35	1
Phenol-d5	43		31 - 110				09/19/14 07:25	09/19/14 19:35	1
Terphenyl-d14	63		36 - 134				09/19/14 07:25	09/19/14 19:35	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		09/23/14 08:45	09/23/14 21:08	1
<b>Barium</b>	<b>0.27</b>	<b>J</b>	0.50	0.050	mg/L		09/23/14 08:45	09/23/14 21:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 21:08	1
<b>Cadmium</b>	<b>0.0023</b>	<b>J</b>	0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 21:08	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:08	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:08	1
Copper	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:08	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 21:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 21:08	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:08	1
<b>Nickel</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:08	1
Selenium	<0.050		0.050	0.010	mg/L		09/23/14 08:45	09/24/14 12:48	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 21:08	1
Zinc	<0.10		0.10	0.020	mg/L		09/23/14 08:45	09/23/14 21:08	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		09/20/14 08:30	09/21/14 19:08	1
<b>Barium</b>	<b>0.13</b>	<b>J</b>	0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:08	1
Chromium	<0.025		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:08	1
Cobalt	<0.025		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:08	1
<b>Copper</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:08	1
<b>Iron</b>	<b>4.8</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/20/14 08:30	09/21/14 19:08	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:08	1
Nickel	<0.025		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:08	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:12	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: SC-1(0-4.5)-091814**

**Lab Sample ID: 500-84389-7**

Date Collected: 09/18/14 09:45

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:08	1
Zinc	0.029	J ^	0.10	0.020	mg/L		09/20/14 08:30	09/21/14 19:08	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Arsenic	10		0.59	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Barium	49		0.59	0.063	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Beryllium	0.63		0.23	0.047	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Cadmium	0.56		0.12	0.015	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Calcium	35000		12	3.2	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Chromium	17		0.59	0.068	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Cobalt	13		0.29	0.059	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Copper	34		0.59	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Iron	23000		12	4.8	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Lead	21	B	0.29	0.088	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Magnesium	20000		5.9	1.2	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Manganese	410		0.59	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Nickel	31		0.59	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Potassium	1400	B	29	1.8	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Selenium	0.43	J	0.59	0.21	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Sodium	660		59	7.9	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Thallium	1.4		0.59	0.25	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Vanadium	21	B	0.29	0.043	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	1
Zinc	52	B	1.2	0.24	mg/Kg	☼	09/23/14 10:30	09/26/14 18:51	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		09/22/14 10:15	09/23/14 09:57	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		09/22/14 10:15	09/23/14 09:10	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	38		19	7.6	ug/Kg	☼	09/19/14 10:00	09/22/14 11:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.55		0.200	0.200	SU			09/23/14 15:59	1



# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the 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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

# Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

## Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
8260B	5030B	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



500-84389 COC

Report To (optional)  
Contact: Andris Stesers  
Company: Weston Solutions  
Address: 300 Plaza Circle # 202  
Address: Mundelein, IL 60060  
Phone: 824-864-7201  
Fax:  
E-Mail: Andris.Stesers@westonsolutions.com

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

## Chain of Custody Record

Lab Job #: 500-84389  
Chain of Custody Number:  
Page 1 of 2  
Temperature °C of Cooler: 1.9

Client		Client Project #		Preservative		Parameter		Matrix		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	
<u>Weston Solutions</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>			
Project Name <u>100T 071 - Countryside</u>		Lab Project # <u>50010127</u>		Parameter		Matrix					
Project Location/State <u>Countryside, IL</u>		Lab PM <u>R. Wright</u>		Sampling		Total Metals		Trace/Spec Metals		Comments	
Sampler <u>D. Sena</u>		Date		Time		pH					
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	Trace/Spec Metals	pH
<u>1</u>		<u>CB-1(0-4.5)-091814</u>	<u>9-18-14</u>	<u>8:15</u>	<u>2</u>	<u>SO</u>	X	X	X	X	X
<u>2</u>		<u>CB-1(0-4.5)-091814D</u>		<u>8:15</u>							
<u>3</u>		<u>SG-1(0-7)-091814</u>		<u>8:30</u>							
<u>4</u>		<u>SG-1(7-13.5)-091814</u>		<u>8:45</u>							
<u>5</u>		<u>WP-1(0-7)-091814</u>		<u>9:15</u>							
<u>6</u>		<u>WP-1(7-13.5)-091814</u>		<u>9:30</u>							
<u>7</u>		<u>SC-1(0-4.5)-091814</u>		<u>9:45</u>							
<u>8</u>		<u>HB-2(0-4.5)-091814</u>		<u>10:15</u>							
<u>9</u>		<u>HB-1(0-7)-091814</u>		<u>10:30</u>							
<u>10</u>		<u>HB-1(7-13.5)-091814</u>	<u>9-18-14</u>	<u>10:45</u>	<u>2</u>	<u>SO</u>	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>David Sena</u>	Company <u>Weston Solutions</u>	Date <u>9-18-14</u>	Time <u>12:00</u>	Received By <u>[Signature]</u>	Company <u>TRC</u>	Date <u>9-18-14</u>	Time <u>12:00</u>
Relinquished By <u>[Signature]</u>	Company <u>TRC</u>	Date <u>9-18-14</u>	Time <u>1:00</u>	Received By <u>[Signature]</u>	Company <u>TRC-CRT</u>	Date <u>9/18/14</u>	Time <u>1:30</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TRC  
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:



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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

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

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

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

### I. Source Location Information

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

Project Name: FAU 3562: Joliet Road at Willow Springs Road Office Phone Number, if available: \_\_\_\_\_

Physical Site Location (address, including number and street):  
6558-6574 Joliet Road

City: Countryside State: IL Zip Code: 60525

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

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

Latitude: 41.769851194 Longitude: -87.887099374

(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: 0310575066 BOW: \_\_\_\_\_ BOA: \_\_\_\_\_

### II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: \_\_\_\_\_

PO Box: \_\_\_\_\_

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@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.

Project Name: FAU 3562: Joliet Road at Willow Springs Road

Latitude: 41.769851194 Longitude: -87.887099374

Uncontaminated Site 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 WP-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2826-23. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED 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]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-84389-1

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

I, Kurt T. Fischer 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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.

Printed Name:



3/4/15

Date:



Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

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

**Summary Table of ISGS Site No. 2826-23**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3562: Joliet Road at Willow Springs Road**  
**Countryside, Cook County, Illinois**

Field Sample ID	WP-1(0-7)-091814	WP-1(7-13.5)-091814	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/18/2014	9/18/2014	
Location ID	WP-1	WP-1	
Depth	0 - 7	7 - 13.5	
ISGS Site Number	2826-23	2826-23	
<b>Parameter</b>			
Laboratory pH	7.77	7.8	<6.25, >9.0
<b>VOCs (ug/kg)</b>	<b>None Detected</b>		
<b>SVOCs (ug/kg)</b>			
Chrysene	ND	11 J	88000
Fluoranthene	ND	11 J	3100000
Pyrene	ND	13 J	2300000
<b>Total Metals (mg/kg)</b>			
Arsenic, Total	8.4	8.3	11.3/13.0
Barium, Total	77	28	1500
Beryllium, Total	0.68	0.46	22
Cadmium, Total	0.34	0.58	5.2
Calcium, Total	4000	48000	---
Chromium, Total	16	13	21
Cobalt, Total	11	11	20
Copper, Total	21	25	2900
Iron, Total	<b>21000</b>	<b>18000</b>	15000/15900
Lead, Total	23 B	13 B	107
Magnesium, Total	3900	28000	325000
Manganese, Total	520	340	630/636
Mercury, Total	0.034	0.027	0.89
Nickel, Total	23	27	100
Potassium, Total	1200 B	1500 B	---
Selenium, Total	0.85	ND	1.3
Sodium, Total	320	940	---
Thallium, Total	1.6	1.1	2.6
Vanadium, Total	23 B	16 B	550
Zinc, Total	48 B	47 B	5100
<b>TCLP Metals (mg/l)</b>			
Barium, TCLP	0.39 J	0.2 J	2
Cadmium, TCLP	ND	0.002 J	0.005
Copper, TCLP	ND	0.26	0.65
Lead, TCLP	ND	<b>0.011</b>	0.0075
Manganese, TCLP	<b>0.25</b>	<b>0.67</b>	0.15
Selenium, TCLP	0.011 J	0.01 J	0.05
Zinc, TCLP	ND	0.095 J	5
<b>SPLP Metals (mg/l)</b>			
Arsenic, SPLP	0.019 J	<b>0.051</b>	0.05
Barium, SPLP	0.16 J	0.25 J	2
Chromium, SPLP	0.034	0.079	0.1
Cobalt, SPLP	0.014 J	0.034	1
Copper, SPLP	0.063	0.18	0.65
Iron, SPLP	<b>40 J+</b>	<b>100 J+</b>	5
Lead, SPLP	<b>0.021</b>	<b>0.052</b>	0.0075
Manganese, SPLP	<b>0.25</b>	<b>0.43</b>	0.15
Mercury, SPLP	0.00025	ND	0.002
Nickel, SPLP	0.053	<b>0.13</b>	0.1
Zinc, SPLP	0.14	0.34	5

**Summary Table of ISGS Site No. 2826-23**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3562: Joliet Road at Willow Springs Road**  
**Countryside, Cook County, Illinois**

**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.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration biased high.

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

# TestAmerica

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## ANALYTICAL REPORT

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

TestAmerica Job ID: 500-84389-1  
Client Project/Site: IDOT - Countryside - WO 071

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

Attn: Mr. S. Babusukumar



Authorized for release by:  
9/30/2014 4:40:47 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.*

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- 2
- 3
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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WP-1(0-7)-091814**

**Lab Sample ID: 500-84389-5**

**Date Collected: 09/18/14 09:15**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 82.2**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		09/23/14 18:27	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		09/23/14 18:27	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		09/23/14 18:27	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		09/23/14 18:27	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		09/23/14 18:27	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		09/23/14 18:27	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 18:27	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		09/23/14 18:27	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		09/23/14 18:27	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		09/23/14 18:27	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		09/23/14 18:27	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		09/23/14 18:27	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 18:27	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 18:27	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		09/23/14 18:27	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		09/23/14 18:27	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		09/23/14 18:27	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		09/23/14 18:27	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 18:27	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		09/23/14 18:27	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		09/23/14 18:27	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		09/23/14 18:27	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/14 18:27	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		09/23/14 18:27	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		09/23/14 18:27	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		09/23/14 18:27	1
1,1,1,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/23/14 18:27	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		09/23/14 18:27	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		09/23/14 18:27	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		09/23/14 18:27	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		09/23/14 18:27	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		09/23/14 18:27	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		09/23/14 18:27	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		09/23/14 18:27	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/14 18:27	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		09/23/14 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		09/23/14 18:27	1
Dibromofluoromethane	104		75 - 120		09/23/14 18:27	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		09/23/14 18:27	1
Toluene-d8 (Surr)	97		75 - 122		09/23/14 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WP-1(0-7)-091814**

**Lab Sample ID: 500-84389-5**

**Date Collected: 09/18/14 09:15**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 82.2**

**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	☼	09/19/14 07:25	09/19/14 18:58	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2,4-Dinitrophenol	<780	*	780	680	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
4-Nitrophenol	<780	*	780	370	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Carbazole	<190		190	99	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Chrysene	<38		38	10	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WP-1(0-7)-091814**

**Lab Sample ID: 500-84389-5**

Date Collected: 09/18/14 09:15

Matrix: Solid

Date Received: 09/18/14 13:00

Percent Solids: 82.2

**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	<38		38	10	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Isophorone	<190		190	43	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Phenol	<190		190	85	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Pyrene	<38		38	7.6	ug/Kg	☼	09/19/14 07:25	09/19/14 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		35 - 137				09/19/14 07:25	09/19/14 18:58	1
2-Fluorobiphenyl	35		25 - 119				09/19/14 07:25	09/19/14 18:58	1
2-Fluorophenol	33		25 - 110				09/19/14 07:25	09/19/14 18:58	1
Nitrobenzene-d5	33		25 - 115				09/19/14 07:25	09/19/14 18:58	1
Phenol-d5	31		31 - 110				09/19/14 07:25	09/19/14 18:58	1
Terphenyl-d14	48		36 - 134				09/19/14 07:25	09/19/14 18:58	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		09/23/14 08:45	09/23/14 20:49	1
<b>Barium</b>	<b>0.39</b>	<b>J</b>	0.50	0.050	mg/L		09/23/14 08:45	09/23/14 20:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 20:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 20:49	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:49	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:49	1
Copper	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:49	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 20:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 20:49	1
<b>Manganese</b>	<b>0.25</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:49	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:49	1
<b>Selenium</b>	<b>0.011</b>	<b>J</b>	0.050	0.010	mg/L		09/23/14 08:45	09/23/14 20:49	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:49	1
Zinc	<0.10		0.10	0.020	mg/L		09/23/14 08:45	09/23/14 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.019</b>	<b>J</b>	0.050	0.010	mg/L		09/20/14 08:30	09/21/14 19:00	1
<b>Barium</b>	<b>0.16</b>	<b>J</b>	0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:00	1
<b>Chromium</b>	<b>0.034</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:00	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:00	1
<b>Copper</b>	<b>0.063</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:00	1
<b>Iron</b>	<b>40</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:00	1
<b>Lead</b>	<b>0.021</b>		0.0075	0.0075	mg/L		09/20/14 08:30	09/21/14 19:00	1
<b>Manganese</b>	<b>0.25</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:00	1
<b>Nickel</b>	<b>0.053</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:00	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:00	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WP-1(0-7)-091814**

**Lab Sample ID: 500-84389-5**

Date Collected: 09/18/14 09:15

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:00	1
<b>Zinc</b>	<b>0.14</b>		0.10	0.020	mg/L		09/20/14 08:30	09/23/14 15:00	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Arsenic</b>	<b>8.4</b>		0.59	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Barium</b>	<b>77</b>		0.59	0.063	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Beryllium</b>	<b>0.68</b>		0.24	0.047	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Cadmium</b>	<b>0.34</b>		0.12	0.015	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Calcium</b>	<b>4000</b>		12	3.2	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Chromium</b>	<b>16</b>		0.59	0.069	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Cobalt</b>	<b>11</b>		0.30	0.059	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Copper</b>	<b>21</b>		0.59	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Iron</b>	<b>21000</b>		12	4.9	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Lead</b>	<b>23</b>	<b>B</b>	0.30	0.088	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Magnesium</b>	<b>3900</b>		5.9	1.2	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Manganese</b>	<b>520</b>		0.59	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Nickel</b>	<b>23</b>		0.59	0.12	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Potassium</b>	<b>1200</b>	<b>B</b>	30	1.8	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Selenium</b>	<b>0.85</b>		0.59	0.21	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
Silver	<0.30		0.30	0.021	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Sodium</b>	<b>320</b>		59	7.9	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Thallium</b>	<b>1.6</b>		0.59	0.25	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Vanadium</b>	<b>23</b>	<b>B</b>	0.30	0.044	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	1
<b>Zinc</b>	<b>48</b>	<b>B</b>	1.2	0.24	mg/Kg	☼	09/23/14 10:30	09/26/14 18:38	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		09/22/14 10:15	09/23/14 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.25</b>		0.20	0.20	ug/L		09/22/14 10:15	09/23/14 09:02	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>34</b>		18	7.1	ug/Kg	☼	09/19/14 10:00	09/22/14 11:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.77</b>		0.200	0.200	SU			09/23/14 15:38	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WP-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-6**

**Date Collected: 09/18/14 09:30**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 85.2**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	*		09/23/14 18:51	1
Benzene	<5.9		5.9	0.80	ug/Kg	*		09/23/14 18:51	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	*		09/23/14 18:51	1
Bromoform	<5.9		5.9	1.3	ug/Kg	*		09/23/14 18:51	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	*		09/23/14 18:51	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	*		09/23/14 18:51	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	*		09/23/14 18:51	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	*		09/23/14 18:51	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	*		09/23/14 18:51	1
Chloroform	<5.9		5.9	0.67	ug/Kg	*		09/23/14 18:51	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	*		09/23/14 18:51	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	*		09/23/14 18:51	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	*		09/23/14 18:51	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	*		09/23/14 18:51	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	*		09/23/14 18:51	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	*		09/23/14 18:51	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	*		09/23/14 18:51	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	*		09/23/14 18:51	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	*		09/23/14 18:51	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	*		09/23/14 18:51	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	*		09/23/14 18:51	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	*		09/23/14 18:51	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	*		09/23/14 18:51	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	*		09/23/14 18:51	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	*		09/23/14 18:51	1
Styrene	<5.9		5.9	0.77	ug/Kg	*		09/23/14 18:51	1
1,1,1,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	*		09/23/14 18:51	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	*		09/23/14 18:51	1
Toluene	<5.9		5.9	0.82	ug/Kg	*		09/23/14 18:51	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	*		09/23/14 18:51	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	*		09/23/14 18:51	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	*		09/23/14 18:51	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	*		09/23/14 18:51	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	*		09/23/14 18:51	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	*		09/23/14 18:51	1
Xylenes, Total	<12		12	0.53	ug/Kg	*		09/23/14 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		09/23/14 18:51	1
Dibromofluoromethane	110		75 - 120		09/23/14 18:51	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		09/23/14 18:51	1
Toluene-d8 (Surr)	99		75 - 122		09/23/14 18:51	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	*	09/19/14 07:25	09/19/14 19:17	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	*	09/19/14 07:25	09/19/14 19:17	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	*	09/19/14 07:25	09/19/14 19:17	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	*	09/19/14 07:25	09/19/14 19:17	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	*	09/19/14 07:25	09/19/14 19:17	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WP-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-6**

**Date Collected: 09/18/14 09:30**

**Matrix: Solid**

**Date Received: 09/18/14 13:00**

**Percent Solids: 85.2**

**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	86	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
4-Nitrophenol	<760	*	760	360	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Anthracene	<37		37	6.3	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Carbazole	<190		190	97	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
<b>Chrysene</b>	<b>11</b>	<b>J</b>	37	10	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
<b>Fluoranthene</b>	<b>11</b>	<b>J</b>	37	7.0	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Fluorene	<37		37	5.3	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WP-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-6**

Date Collected: 09/18/14 09:30

Matrix: Solid

Date Received: 09/18/14 13:00

Percent Solids: 85.2

**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	<37		37	9.7	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Isophorone	<190		190	42	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Phenol	<190		190	83	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
<b>Pyrene</b>	<b>13</b>	<b>J</b>	37	7.5	ug/Kg	☼	09/19/14 07:25	09/19/14 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		35 - 137				09/19/14 07:25	09/19/14 19:17	1
2-Fluorobiphenyl	49		25 - 119				09/19/14 07:25	09/19/14 19:17	1
2-Fluorophenol	49		25 - 110				09/19/14 07:25	09/19/14 19:17	1
Nitrobenzene-d5	25		25 - 115				09/19/14 07:25	09/19/14 19:17	1
Phenol-d5	47		31 - 110				09/19/14 07:25	09/19/14 19:17	1
Terphenyl-d14	69		36 - 134				09/19/14 07:25	09/19/14 19:17	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		09/23/14 08:45	09/23/14 20:54	1
<b>Barium</b>	<b>0.20</b>	<b>J</b>	0.50	0.050	mg/L		09/23/14 08:45	09/23/14 20:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/14 08:45	09/23/14 20:54	1
<b>Cadmium</b>	<b>0.0020</b>	<b>J</b>	0.0050	0.0020	mg/L		09/23/14 08:45	09/23/14 20:54	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:54	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:54	1
<b>Copper</b>	<b>0.26</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:54	1
Iron	<0.20		0.20	0.20	mg/L		09/23/14 08:45	09/23/14 20:54	1
<b>Lead</b>	<b>0.011</b>		0.0075	0.0075	mg/L		09/23/14 08:45	09/23/14 20:54	1
<b>Manganese</b>	<b>0.67</b>		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:54	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:54	1
<b>Selenium</b>	<b>0.010</b>	<b>J</b>	0.050	0.010	mg/L		09/23/14 08:45	09/23/14 20:54	1
Silver	<0.025		0.025	0.010	mg/L		09/23/14 08:45	09/23/14 20:54	1
<b>Zinc</b>	<b>0.095</b>	<b>J</b>	0.10	0.020	mg/L		09/23/14 08:45	09/23/14 20:54	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		09/20/14 08:30	09/21/14 19:04	1
<b>Barium</b>	<b>0.25</b>	<b>J</b>	0.50	0.050	mg/L		09/20/14 08:30	09/21/14 19:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/20/14 08:30	09/21/14 19:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/20/14 08:30	09/21/14 19:04	1
<b>Chromium</b>	<b>0.079</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:04	1
<b>Cobalt</b>	<b>0.034</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:04	1
<b>Copper</b>	<b>0.18</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:04	1
<b>Iron</b>	<b>100</b>		0.20	0.20	mg/L		09/20/14 08:30	09/21/14 19:04	1
<b>Lead</b>	<b>0.052</b>		0.038	0.038	mg/L		09/20/14 08:30	09/23/14 15:08	5
<b>Manganese</b>	<b>0.43</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:04	1
<b>Nickel</b>	<b>0.13</b>		0.025	0.010	mg/L		09/20/14 08:30	09/21/14 19:04	1
Selenium	<0.050		0.050	0.010	mg/L		09/20/14 08:30	09/23/14 15:04	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

**Client Sample ID: WP-1(7-13.5)-091814**

**Lab Sample ID: 500-84389-6**

Date Collected: 09/18/14 09:30

Matrix: Solid

Date Received: 09/18/14 13:00

**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		09/20/14 08:30	09/21/14 19:04	1
<b>Zinc</b>	<b>0.34</b>		0.10	0.020	mg/L		09/20/14 08:30	09/23/14 15:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Arsenic</b>	<b>8.3</b>		0.56	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Barium</b>	<b>28</b>		0.56	0.060	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Beryllium</b>	<b>0.46</b>		0.22	0.045	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Cadmium</b>	<b>0.58</b>		0.11	0.014	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Calcium</b>	<b>48000</b>		11	3.0	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Chromium</b>	<b>13</b>		0.56	0.065	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Cobalt</b>	<b>11</b>		0.28	0.056	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Copper</b>	<b>25</b>		0.56	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Iron</b>	<b>18000</b>		11	4.6	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Lead</b>	<b>13 B</b>		0.28	0.083	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Magnesium</b>	<b>28000</b>		5.6	1.1	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Manganese</b>	<b>340</b>		0.56	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Nickel</b>	<b>27</b>		0.56	0.11	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Potassium</b>	<b>1500 B</b>		28	1.7	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Sodium</b>	<b>940</b>		56	7.5	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Thallium</b>	<b>1.1</b>		0.56	0.23	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Vanadium</b>	<b>16 B</b>		0.28	0.041	mg/Kg	☼	09/23/14 10:30	09/26/14 18:45	1
<b>Zinc</b>	<b>47 B</b>		1.1	0.22	mg/Kg	☼	09/23/14 10:30	09/26/14 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		09/22/14 10:15	09/23/14 09:55	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		09/22/14 10:15	09/23/14 09:08	1

**Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>27</b>		17	6.6	ug/Kg	☼	09/19/14 10:00	09/22/14 11:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.80</b>		0.200	0.200	SU			09/23/14 15:48	1



# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the 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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

# Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Countryside - WO 071

TestAmerica Job ID: 500-84389-1

## Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
8260B	5030B	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



500-84389 COC

Report To (optional)  
Contact: Andris Stesers  
Company: Weston Solutions  
Address: 300 Plaza Circle # 202  
Address: Mundelein, IL 60060  
Phone: 824-864-7201  
Fax:  
E-Mail: Andris.Stesers@westonsolutions.com

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

## Chain of Custody Record

Lab Job #: 500-84389  
Chain of Custody Number:  
Page 1 of 2  
Temperature °C of Cooler: 1.9

Client		Client Project #		Preservative		Parameter		Matrix		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
<u>Weston Solutions</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>		
Project Name <u>100T 071 - Countryside</u>		Lab Project # <u>50010127</u>		Parameter		Matrix				
Project Location/State <u>Countryside, IL</u>		Lab PM <u>R. Wright</u>		Sampling		Total Metals		Trace/Spec Metals		Comments
Sampler <u>D. Sena</u>		Date		Time		pH				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix				
<u>1</u>		<u>CB-1(0-4.5)-091814</u>	<u>9-18-14</u>	<u>8:15</u>	<u>2</u>	<u>SO</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>CB-1(0-4.5)-091814D</u>		<u>8:15</u>						
<u>3</u>		<u>SG-1(0-7)-091814</u>		<u>8:30</u>						
<u>4</u>		<u>SG-1(7-13.5)-091814</u>		<u>8:45</u>						
<u>5</u>		<u>WP-1(0-7)-091814</u>		<u>9:15</u>						
<u>6</u>		<u>WP-1(7-13.5)-091814</u>		<u>9:30</u>						
<u>7</u>		<u>SC-1(0-4.5)-091814</u>		<u>9:45</u>						
<u>8</u>		<u>HB-2(0-4.5)-091814</u>		<u>10:15</u>						
<u>9</u>		<u>HB-1(0-7)-091814</u>		<u>10:30</u>						
<u>10</u>		<u>HB-1(7-13.5)-091814</u>	<u>9-18-14</u>	<u>10:45</u>	<u>2</u>	<u>SO</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

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>David Sena</u>	Company <u>Weston Solutions</u>	Date <u>9-18-14</u>	Time <u>12:00</u>	Received By <u>[Signature]</u>	Company <u>TRC</u>	Date <u>9-18-14</u>	Time <u>12:00</u>
Relinquished By <u>[Signature]</u>	Company <u>TRC</u>	Date <u>9-18-14</u>	Time <u>1:00</u>	Received By <u>[Signature]</u>	Company <u>TRC-CRT</u>	Date <u>9/18/14</u>	Time <u>1:30</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: JTA  
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: