



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: FAP 3778: Pulaski Road at 115th Street Office Phone Number, if available: \_\_\_\_\_

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

11500 S. Pulaski Road

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

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

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

Latitude: 41.683884884 Longitude: -87.721050088  
(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: FAP 3778: Pulaski Road at 115th Street

Latitude: 41.683884884 Longitude: -87.721050088

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 VL-1 AND VL-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 2676-7. 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: 500-62562-1.

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

I, Steven Gobelman, P.E., L.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

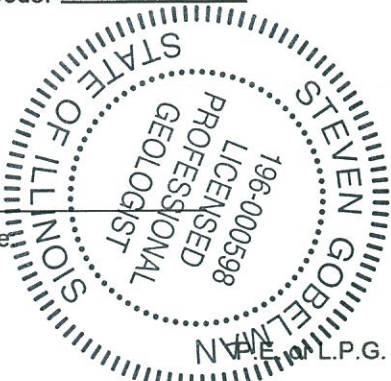
Steven Gobelman, P.E., L.P.G

Printed Name:

  
 Licensed Professional Engineer or  
 Licensed Professional Geologist Signature:

12/4/14

Date:



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

**Summary Table of ISGS No. 2676-7**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3778: Pulaski Road at 115th Street**  
**Alsip, Cook County, Illinois**

Field Sample ID	VL-1(0-6)-090613	VL-4(0-5.5)-090613	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/6/2013	9/6/2013	
Location ID	VL-1	VL-4	
Depth	0 - 6	0 - 5.5	
Parameter			
Laboratory pH (s.u.)	8.48	8.31	<6.25,>9.0
<b>VOCs (ug/kg)</b>	None Detected		
<b>SVOCs (ug/kg)</b>			
Acenaphthene	14 J	13 J	570000
Anthracene	ND	52	1.20E+07
Benzo(a)anthracene	53	190	900 / 1100 / 1800
Benzo(a)pyrene	86	130	90 / 1300 / 2100
Benzo(b)fluoranthene	95	150	900 / 1500 / 2100
Benzo(g,h,i)perylene	95	75	2300000
Benzo(k)fluoranthene	39	100	9000
Chrysene	53	220	88000
Dibenzo(a,h)anthracene	31 J	50	90 / 200 / 420
Fluoranthene	62	240	3100000
Fluorene	ND	13 J	560000
Indeno(1,2,3-cd)pyrene	71	65	900 / 900 / 1600
Phenanthrene	19 J	160	210000
Pyrene	60	220	2300000
<b>TCL Metals (mg/kg)</b>			
Aluminum, Total	3000	8800 B	9200 / 9500
Arsenic, Total	2.9	3.1 J	11.3 / 13
Barium, Total	15	29 J-	1500
Beryllium, Total	0.26 J	0.64	22
Cadmium, Total	0.5 J	0.35 J	5.2
Calcium, Total	170000 B	64000 J	---
Chromium, Total	14	16 J-	21
Cobalt, Total	3.4	7.3 J-	20
Copper, Total	9.4 B	19 J-	2900
Iron, Total	6800	13000 J	15000 / 15900
Lead, Total	19	14 J	107
Magnesium, Total	120000 B	25000 B	325000
Manganese, Total	280 B	270 J	630 / 636
Mercury, Total	0.019	0.014 J	0.89
Nickel, Total	8.8	21 J-	100
Potassium, Total	1000	2200 J+	---
Selenium, Total	ND	0.21 J	1.3
Sodium, Total	ND	990 J-	---
Strontium, Total	70 B^	27 J	84
Thallium, Total	ND	0.72 J-	2.6
Vanadium, Total	9.8	19	550
Zinc, Total	90 B	76 J	5100
<b>TCLP Metals (mg/l)</b>			
Barium, TCLP	0.81	1.1	2
Cadmium, TCLP	0.0021 J	0.0023 J	0.005
Cobalt, TCLP	0.006 J	0.018 J	1
Copper, TCLP	0.028	0.021 J	0.65
Iron, TCLP	ND	0.31	5
Lead, TCLP	0.0072 J	0.014	0.0075
Manganese, TCLP	1.1	3.6	0.15
Nickel, TCLP	0.014 J	0.029	0.1
Zinc, TCLP	0.75	1.6	5

**Summary Table of ISGS No. 2676-7**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3778: Pulaski Road at 115th Street**  
**Alsip, Cook County, Illinois**

Field Sample ID	VL-1(0-6)-090613	VL-4(0-5.5)-090613	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/6/2013	9/6/2013	
Location ID	VL-1	VL-4	
Depth	0 - 6	0 - 5.5	
Parameter			
<b>SPLP Metals (mg/l)</b>			
Barium, SPLP	0.89 B	ND	2
Cobalt, SPLP	ND	0.0052 J	1
Copper, SPLP	0.025	0.015 J	0.65
Iron, SPLP	1.3	11	5
Lead, SPLP	0.0051 J	0.025	0.0075
Manganese, SPLP	0.011 J	0.094	0.15
Nickel, SPLP	ND	0.015 J	0.1
Zinc, SPLP	0.74 B	ND	5

**Notes:**

--- - not applicable or value not available.

<sup>A</sup> - Soil reference concentrations from MAC Table and from TACO for leachable metals. Background values for Chicago corporate limits and MSA counties for VOCs and SVOCs are included, as applicable. Background values included for total inorganics, as applicable.

ND- not detected.

<sup>^</sup> - Instrument related Quality Control (QC) exceeds the control limits.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

     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: 500-62562-1  
Client Project/Site: IDOT - Pulaski Road - 013

For:  
Weston Solutions, Inc.  
750 E. Bunker Court  
Suite 500  
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar



Authorized for release by:  
9/20/2013 1:41:29 PM

Richard Wright, Project Manager II  
[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 - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL-4(0-5.5)-090613**

**Lab Sample ID: 500-62562-1**

**Date Collected: 09/06/13 09:10**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 84.4**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	*		09/11/13 11:37	1
Benzene	<5.9		5.9	0.81	ug/Kg	*		09/11/13 11:37	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	*		09/11/13 11:37	1
Bromoform	<5.9		5.9	1.4	ug/Kg	*		09/11/13 11:37	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	*		09/11/13 11:37	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	*		09/11/13 11:37	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	*		09/11/13 11:37	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	*		09/11/13 11:37	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	*		09/11/13 11:37	1
Chloroform	<5.9		5.9	0.68	ug/Kg	*		09/11/13 11:37	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	*		09/11/13 11:37	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	*		09/11/13 11:37	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	*		09/11/13 11:37	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	*		09/11/13 11:37	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	*		09/11/13 11:37	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	*		09/11/13 11:37	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	*		09/11/13 11:37	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	*		09/11/13 11:37	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	*		09/11/13 11:37	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	*		09/11/13 11:37	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	*		09/11/13 11:37	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	*		09/11/13 11:37	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	*		09/11/13 11:37	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	*		09/11/13 11:37	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	*		09/11/13 11:37	1
Styrene	<5.9		5.9	0.78	ug/Kg	*		09/11/13 11:37	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	*		09/11/13 11:37	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	*		09/11/13 11:37	1
Toluene	<5.9		5.9	0.83	ug/Kg	*		09/11/13 11:37	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	*		09/11/13 11:37	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	*		09/11/13 11:37	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	*		09/11/13 11:37	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	*		09/11/13 11:37	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	*		09/11/13 11:37	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	*		09/11/13 11:37	1
Xylenes, Total	<12		12	0.54	ug/Kg	*		09/11/13 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		09/11/13 11:37	1
Dibromofluoromethane	94		75 - 120		09/11/13 11:37	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 134		09/11/13 11:37	1
Toluene-d8 (Surr)	97		75 - 122		09/11/13 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	44	ug/Kg	*	09/12/13 07:42	09/13/13 12:55	1
1,2-Dichlorobenzene	<190		190	42	ug/Kg	*	09/12/13 07:42	09/13/13 12:55	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	*	09/12/13 07:42	09/13/13 12:55	1
1,4-Dichlorobenzene	<190		190	41	ug/Kg	*	09/12/13 07:42	09/13/13 12:55	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	*	09/12/13 07:42	09/13/13 12:55	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL-4(0-5.5)-090613**

**Lab Sample ID: 500-62562-1**

**Date Collected: 09/06/13 09:10**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	110	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2,4,6-Trichlorophenol	<390	*	390	49	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2,4-Dichlorophenol	<390		390	120	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2,4-Dimethylphenol	<390		390	120	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2,4-Dinitrophenol	<780		780	200	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2,6-Dinitrotoluene	<190		190	46	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2-Chloronaphthalene	<190		190	44	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2-Chlorophenol	<190		190	55	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2-Methylnaphthalene	<190		190	50	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2-Methylphenol	<190		190	51	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2-Nitroaniline	<190		190	70	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
2-Nitrophenol	<390		390	61	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
3 & 4 Methylphenol	<190		190	73	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
3,3'-Dichlorobenzidine	<190		190	32	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
3-Nitroaniline	<390		390	75	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
4,6-Dinitro-2-methylphenol	<390		390	94	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
4-Bromophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
4-Chloro-3-methylphenol	<390		390	190	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
4-Chloroaniline	<780		780	120	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
4-Chlorophenyl phenyl ether	<190		190	61	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
4-Nitroaniline	<390		390	79	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
4-Nitrophenol	<780		780	210	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Acenaphthene</b>	<b>13</b>	<b>J</b>	39	12	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Acenaphthylene	<39		39	8.9	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Anthracene</b>	<b>52</b>		39	9.1	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Benzo[a]anthracene</b>	<b>190</b>		39	8.1	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Benzo[a]pyrene</b>	<b>130</b>		39	7.1	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Benzo[b]fluoranthene</b>	<b>150</b>		39	7.5	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Benzo[g,h,i]perylene</b>	<b>75</b>		39	13	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Benzo[k]fluoranthene</b>	<b>100</b>		39	9.2	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Bis(2-chloroethoxy)methane	<190		190	43	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Bis(2-ethylhexyl) phthalate	<190		190	51	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Butyl benzyl phthalate	<190		190	49	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Carbazole	<190		190	54	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Chrysene</b>	<b>220</b>		39	8.8	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Dibenz(a,h)anthracene</b>	<b>50</b>		39	11	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Dibenzofuran	<190		190	47	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Di-n-butyl phthalate	<190		190	49	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Di-n-octyl phthalate	<190		190	79	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Fluoranthene</b>	<b>240</b>		39	16	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Fluorene</b>	<b>13</b>	<b>J</b>	39	8.8	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Hexachlorobenzene	<78		78	7.6	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Hexachlorobutadiene	<190		190	51	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Hexachlorocyclopentadiene	<780		780	180	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Hexachloroethane	<190		190	41	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL-4(0-5.5)-090613**

**Lab Sample ID: 500-62562-1**

**Date Collected: 09/06/13 09:10**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 84.4**

**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>65</b>		39	13	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Isophorone	<190		190	43	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Naphthalene	<39		39	7.5	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Nitrobenzene	<39		39	12	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
N-Nitrosodi-n-propylamine	<190		190	49	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
N-Nitrosodiphenylamine	<190		190	52	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Pentachlorophenol	<780 *		780	200	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Phenanthrene</b>	<b>160</b>		39	16	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Phenol	<190		190	61	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
<b>Pyrene</b>	<b>220</b>		39	14	ug/Kg	☼	09/12/13 07:42	09/13/13 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		35 - 137				09/12/13 07:42	09/13/13 12:55	1
2-Fluorobiphenyl	56		25 - 119				09/12/13 07:42	09/13/13 12:55	1
2-Fluorophenol	48		25 - 110				09/12/13 07:42	09/13/13 12:55	1
Nitrobenzene-d5	44		25 - 115				09/12/13 07:42	09/13/13 12:55	1
Phenol-d5	52		31 - 110				09/12/13 07:42	09/13/13 12:55	1
Terphenyl-d14	57		36 - 134				09/12/13 07:42	09/13/13 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Barium</b>	<b>1.1</b>		0.50	0.010	mg/L		09/12/13 07:30	09/13/13 19:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Cadmium</b>	<b>0.0023</b>	<b>J</b>	0.0050	0.0020	mg/L		09/12/13 07:30	09/13/13 19:45	1
Chromium	<0.025		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.0050	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Copper</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Iron</b>	<b>0.31</b>		0.20	0.20	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Lead</b>	<b>0.014</b>		0.0075	0.0050	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Manganese</b>	<b>3.6</b>		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Nickel</b>	<b>0.029</b>		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 19:45	1
Selenium	<0.050		0.050	0.010	mg/L		09/12/13 07:30	09/13/13 19:45	1
Silver	<0.025		0.025	0.0050	mg/L		09/12/13 07:30	09/13/13 19:45	1
<b>Zinc</b>	<b>1.6</b>		0.10	0.020	mg/L		09/12/13 07:30	09/13/13 19:45	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		09/16/13 08:30	09/16/13 23:12	1
<b>Barium</b>	<b>0.094</b>	<b>J B</b>	0.50	0.010	mg/L		09/16/13 08:30	09/16/13 23:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/16/13 08:30	09/16/13 23:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/16/13 08:30	09/16/13 23:12	1
<b>Chromium</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		09/16/13 08:30	09/16/13 23:12	1
<b>Cobalt</b>	<b>0.0052</b>	<b>J</b>	0.025	0.0050	mg/L		09/16/13 08:30	09/16/13 23:12	1
<b>Copper</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		09/16/13 08:30	09/16/13 23:12	1
<b>Iron</b>	<b>11</b>		0.20	0.20	mg/L		09/16/13 08:30	09/16/13 23:12	1
<b>Lead</b>	<b>0.025</b>		0.0075	0.0050	mg/L		09/16/13 08:30	09/16/13 23:12	1
<b>Manganese</b>	<b>0.094</b>		0.025	0.010	mg/L		09/16/13 08:30	09/16/13 23:12	1
<b>Nickel</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		09/16/13 08:30	09/16/13 23:12	1
Selenium	<0.050		0.050	0.010	mg/L		09/16/13 08:30	09/16/13 23:12	1

TestAmerica Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL-4(0-5.5)-090613**

**Lab Sample ID: 500-62562-1**

Date Collected: 09/06/13 09:10

Matrix: Solid

Date Received: 09/06/13 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		09/16/13 08:30	09/16/13 23:12	1
Zinc	0.13	B	0.10	0.020	mg/L		09/16/13 08:30	09/16/13 23:12	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800	B	12	1.1	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Antimony	<1.2		1.2	0.48	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Arsenic	3.1		0.59	0.12	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Barium	29	B	0.59	0.063	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Beryllium	0.64		0.24	0.021	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Cadmium	0.35		0.12	0.015	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Calcium	64000	B	120	32	mg/Kg	☼	09/09/13 10:30	09/18/13 22:39	10
Chromium	16		0.59	0.069	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Cobalt	7.3		0.30	0.021	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Copper	19	B	0.59	0.052	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Iron	13000		12	4.9	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Lead	14	B	0.30	0.088	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Magnesium	25000	B	5.9	1.2	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Manganese	270	B	0.59	0.032	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Nickel	21		0.59	0.058	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Potassium	2200		30	1.8	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Selenium	0.21	J	0.59	0.21	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Silver	<0.30		0.30	0.021	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Sodium	990	B	59	7.9	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Thallium	0.72		0.59	0.25	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Vanadium	19		0.30	0.044	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Zinc	76	B	1.2	0.24	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1
Strontium	27	B ^	0.30	0.012	mg/Kg	☼	09/09/13 10:30	09/17/13 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/12/13 15:30	09/13/13 09:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.056	J B	0.20	0.020	ug/L		09/16/13 15:15	09/17/13 10:52	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	14	J	18	8.3	ug/Kg	☼	09/09/13 14:15	09/10/13 10:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.31		0.200	0.200	SU			09/12/13 00:36	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL-1(0-6)-090613**

**Lab Sample ID: 500-62562-6**

**Date Collected: 09/06/13 10:40**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 88.3**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.4	ug/Kg	*		09/11/13 13:08	1
Benzene	<5.7		5.7	0.78	ug/Kg	*		09/11/13 13:08	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	*		09/11/13 13:08	1
Bromoform	<5.7		5.7	1.3	ug/Kg	*		09/11/13 13:08	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	*		09/11/13 13:08	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	*		09/11/13 13:08	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	*		09/11/13 13:08	1
Chlorobenzene	<5.7		5.7	0.57	ug/Kg	*		09/11/13 13:08	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	*		09/11/13 13:08	1
Chloroform	<5.7		5.7	0.65	ug/Kg	*		09/11/13 13:08	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	*		09/11/13 13:08	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	*		09/11/13 13:08	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	*		09/11/13 13:08	1
Dibromochloromethane	<5.7		5.7	0.98	ug/Kg	*		09/11/13 13:08	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	*		09/11/13 13:08	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	*		09/11/13 13:08	1
1,1-Dichloroethene	<5.7		5.7	0.91	ug/Kg	*		09/11/13 13:08	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	*		09/11/13 13:08	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	*		09/11/13 13:08	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	*		09/11/13 13:08	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	*		09/11/13 13:08	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	*		09/11/13 13:08	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	*		09/11/13 13:08	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	*		09/11/13 13:08	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	*		09/11/13 13:08	1
Styrene	<5.7		5.7	0.74	ug/Kg	*		09/11/13 13:08	1
1,1,1,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	*		09/11/13 13:08	1
Tetrachloroethene	<5.7		5.7	0.86	ug/Kg	*		09/11/13 13:08	1
Toluene	<5.7		5.7	0.79	ug/Kg	*		09/11/13 13:08	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	*		09/11/13 13:08	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	*		09/11/13 13:08	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	*		09/11/13 13:08	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	*		09/11/13 13:08	1
Trichloroethene	<5.7		5.7	0.93	ug/Kg	*		09/11/13 13:08	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	*		09/11/13 13:08	1
Xylenes, Total	<11		11	0.51	ug/Kg	*		09/11/13 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		09/11/13 13:08	1
Dibromofluoromethane	96		75 - 120		09/11/13 13:08	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134		09/11/13 13:08	1
Toluene-d8 (Surr)	97		75 - 122		09/11/13 13:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	41	ug/Kg	*	09/12/13 07:42	09/13/13 14:21	1
1,2-Dichlorobenzene	<180		180	40	ug/Kg	*	09/12/13 07:42	09/13/13 14:21	1
1,3-Dichlorobenzene	<180		180	38	ug/Kg	*	09/12/13 07:42	09/13/13 14:21	1
1,4-Dichlorobenzene	<180		180	38	ug/Kg	*	09/12/13 07:42	09/13/13 14:21	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	*	09/12/13 07:42	09/13/13 14:21	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL-1(0-6)-090613**

**Lab Sample ID: 500-62562-6**

**Date Collected: 09/06/13 10:40**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 88.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	100	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2,4,6-Trichlorophenol	<360	*	360	46	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2,4-Dichlorophenol	<360		360	110	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2,4-Dimethylphenol	<360		360	110	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2,4-Dinitrophenol	<740		740	190	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2,6-Dinitrotoluene	<180		180	44	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2-Chlorophenol	<180		180	52	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2-Methylnaphthalene	<180		180	47	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2-Methylphenol	<180		180	49	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2-Nitroaniline	<180		180	66	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
2-Nitrophenol	<360		360	57	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
3 & 4 Methylphenol	<180		180	69	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
3,3'-Dichlorobenzidine	<180		180	31	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
3-Nitroaniline	<360		360	71	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
4,6-Dinitro-2-methylphenol	<360		360	89	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
4-Bromophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
4-Chloro-3-methylphenol	<360		360	180	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
4-Chloroaniline	<740		740	110	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
4-Chlorophenyl phenyl ether	<180		180	58	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
4-Nitroaniline	<360		360	75	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
4-Nitrophenol	<740		740	200	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Acenaphthene</b>	<b>14</b>	<b>J</b>	36	11	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Acenaphthylene	<36		36	8.4	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Anthracene	<36		36	8.6	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Benzo[a]anthracene</b>	<b>53</b>		36	7.7	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Benzo[a]pyrene</b>	<b>86</b>		36	6.7	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Benzo[b]fluoranthene</b>	<b>95</b>		36	7.1	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Benzo[g,h,i]perylene</b>	<b>95</b>		36	12	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Benzo[k]fluoranthene</b>	<b>39</b>		36	8.7	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Bis(2-chloroethoxy)methane	<180		180	40	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Bis(2-ethylhexyl) phthalate	<180		180	48	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Butyl benzyl phthalate	<180		180	46	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Carbazole	<180		180	51	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Chrysene</b>	<b>53</b>		36	8.3	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Dibenz(a,h)anthracene</b>	<b>31</b>	<b>J</b>	36	10	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Dibenzofuran	<180		180	44	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Di-n-butyl phthalate	<180		180	46	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Di-n-octyl phthalate	<180		180	74	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Fluoranthene</b>	<b>62</b>		36	15	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Fluorene	<36		36	8.3	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Hexachlorobenzene	<74		74	7.2	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Hexachlorobutadiene	<180		180	48	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Hexachlorocyclopentadiene	<740		740	170	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Hexachloroethane	<180		180	39	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL-1(0-6)-090613**

**Lab Sample ID: 500-62562-6**

Date Collected: 09/06/13 10:40

Matrix: Solid

Date Received: 09/06/13 15:10

Percent Solids: 88.3

**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>71</b>		36	12	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Isophorone	<180		180	41	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Naphthalene	<36		36	7.1	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Nitrobenzene	<36		36	11	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
N-Nitrosodi-n-propylamine	<180		180	47	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
N-Nitrosodiphenylamine	<180		180	49	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Pentachlorophenol	<740 *		740	190	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Phenanthrene</b>	<b>19 J</b>		36	15	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Phenol	<180		180	58	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
<b>Pyrene</b>	<b>60</b>		36	13	ug/Kg	☼	09/12/13 07:42	09/13/13 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		35 - 137				09/12/13 07:42	09/13/13 14:21	1
2-Fluorobiphenyl	66		25 - 119				09/12/13 07:42	09/13/13 14:21	1
2-Fluorophenol	67		25 - 110				09/12/13 07:42	09/13/13 14:21	1
Nitrobenzene-d5	60		25 - 115				09/12/13 07:42	09/13/13 14:21	1
Phenol-d5	72		31 - 110				09/12/13 07:42	09/13/13 14:21	1
Terphenyl-d14	85		36 - 134				09/12/13 07:42	09/13/13 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/12/13 07:30	09/13/13 20:34	1
<b>Barium</b>	<b>0.81</b>		0.50	0.010	mg/L		09/12/13 07:30	09/13/13 20:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/12/13 07:30	09/13/13 20:34	1
<b>Cadmium</b>	<b>0.0021 J</b>		0.0050	0.0020	mg/L		09/12/13 07:30	09/13/13 20:34	1
Chromium	<0.025		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:34	1
<b>Cobalt</b>	<b>0.0060 J</b>		0.025	0.0050	mg/L		09/12/13 07:30	09/13/13 20:34	1
<b>Copper</b>	<b>0.028</b>		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:34	1
Iron	<0.20		0.20	0.20	mg/L		09/12/13 07:30	09/13/13 20:34	1
<b>Lead</b>	<b>0.0072 J</b>		0.0075	0.0050	mg/L		09/12/13 07:30	09/13/13 20:34	1
<b>Manganese</b>	<b>1.1</b>		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:34	1
<b>Nickel</b>	<b>0.014 J</b>		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:34	1
Selenium	<0.050		0.050	0.010	mg/L		09/12/13 07:30	09/13/13 20:34	1
Silver	<0.025		0.025	0.0050	mg/L		09/12/13 07:30	09/13/13 20:34	1
<b>Zinc</b>	<b>0.75</b>		0.10	0.020	mg/L		09/12/13 07:30	09/13/13 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/16/13 08:30	09/17/13 00:01	1
<b>Barium</b>	<b>0.89 B</b>		0.50	0.010	mg/L		09/16/13 08:30	09/17/13 00:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/16/13 08:30	09/17/13 00:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/16/13 08:30	09/17/13 00:01	1
Chromium	<0.025		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:01	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/16/13 08:30	09/17/13 00:01	1
<b>Copper</b>	<b>0.025</b>		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:01	1
<b>Iron</b>	<b>1.3</b>		0.20	0.20	mg/L		09/16/13 08:30	09/17/13 00:01	1
<b>Lead</b>	<b>0.0051 J</b>		0.0075	0.0050	mg/L		09/16/13 08:30	09/17/13 00:01	1
<b>Manganese</b>	<b>0.011 J</b>		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:01	1
Nickel	<0.025		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:01	1
Selenium	<0.050		0.050	0.010	mg/L		09/16/13 08:30	09/17/13 00:01	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL-1(0-6)-090613**

**Lab Sample ID: 500-62562-6**

Date Collected: 09/06/13 10:40

Matrix: Solid

Date Received: 09/06/13 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		09/16/13 08:30	09/17/13 00:01	1
Zinc	0.74	B	0.10	0.020	mg/L		09/16/13 08:30	09/17/13 00:01	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3000		57	5.2	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Antimony	<5.7		5.7	2.3	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Arsenic	2.9		2.8	0.56	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Barium	15		2.8	0.30	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Beryllium	0.26	J B	1.1	0.10	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Cadmium	0.50	J	0.57	0.072	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Calcium	170000	B	110	31	mg/Kg	☼	09/09/13 10:30	09/19/13 17:18	10
Chromium	14		2.8	0.33	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Cobalt	3.4		1.4	0.10	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Copper	9.4	B	2.8	0.25	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Iron	6800		57	23	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Lead	19		1.4	0.42	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Magnesium	120000	B	28	5.8	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Manganese	280	B	5.7	0.31	mg/Kg	☼	09/09/13 10:30	09/19/13 17:18	10
Nickel	8.8		2.8	0.28	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Potassium	1000		140	8.5	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Selenium	<2.8		2.8	1.0	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Silver	<1.4		1.4	0.10	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Sodium	200	J B	280	38	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Thallium	<2.8		2.8	1.2	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Vanadium	9.8		1.4	0.21	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Zinc	90	B	5.7	1.1	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5
Strontium	70	B ^	1.4	0.057	mg/Kg	☼	09/09/13 10:30	09/18/13 23:23	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/12/13 15:30	09/13/13 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052	J B	0.20	0.020	ug/L		09/16/13 15:15	09/17/13 11:10	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	19		17	8.1	ug/Kg	☼	09/09/13 14:15	09/10/13 11:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.48		0.200	0.200	SU			09/12/13 11:55	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD 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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

### 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.
F	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits

## 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
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 - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

## Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	09-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

\* Expired certification is currently pending renewal and is considered valid.

TestAmerica Chicago

# TestAmerica



ENVIRONMENTAL TESTING

reet, University Park, IL 60484  
4.5200 Fax: 708.534.5211

500-62562 COC

Report To (optional)  
Contact: S. Babusukumar  
Company: Weston Solutions Inc.  
Address: 750 E Bunker Ct. Str. 500  
Address: Vernon Hills, IL 60061  
Phone: 847-918-4018  
Fax: 847-918-4055  
E-Mail:

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

## Chain of Custody Record

Lab Job #: 500-62562

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 317

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions Inc.											
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
1 DOT 013 - Pulaski Rd. @ 115th St.											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
Alsip, IL		D. Wright									
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
M. Doherty-stabic		D. Wright									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOL	SVOCs	TCL Metals	TCLP/SLP Metals	pH
1		VL-4(0-5.5)-090613	9-6-13	0910	2	S	X	X	X	X	X
2		VL-3(6-13)-090613D	9-6-13	0945	2	S	X	X	X	X	X
3		VL-3(0-5)-090613	9-6-13	0935	2	S	X	X	X	X	X
4		VL-3(8-13)-090613	9-6-13	0945	2	S	X	X	X	X	X
5		VL-2(4-6)-090613	9-6-13	1010	2	S	X	X	X	X	X
6		VL-1(0-6)-090613	9-6-13	1040	2	S	X	X	X	X	X
7		MF-1(0-5)-090613	9-6-13	1105	2	S	X	X	X	X	X
8		MF-1(8-13)-090613	9-6-13	1115	2	S	X	X	X	X	X
9		VLI-1(6-5)-090613	9-6-13	1150	2	S	X	X	X	X	X
10		VLI-1(8-13)-090613	9-6-13	1155	2	S	X	X	X	X	X

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

Turnaround Time Required (Business Days)  
 1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  extended 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>Tommy M. Li</u> Company <u>Weston</u> Date <u>9-6-13</u> Time <u>1346</u>	Received By <u>Paul Williams</u> Company <u>TA</u> Date <u>9/6/13</u> Time <u>1346</u>
Relinquished By <u>Paul Williams</u> Company <u>TestAmerica</u> Date <u>9/6/13</u> Time <u>1510</u>	Received By <u>Sherrill</u> Company <u>TA</u> Date <u>9/6/13</u> Time <u>1510</u>

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

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

Client Comments:

Lab Comments:



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
Contact: S. Babusukumar  
Company: Weston Solutions Inc.  
Address: 750 E. Bunker Ct. Ste. 500  
Address: Vernon Hills, IL 60061  
Phone: 847-918-4488  
Fax: 847-918-4055  
E-Mail:

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

## Chain of Custody Record

Lab Job #: 500-62562  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 2  
Temperature °C of Cooler: 3.7

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston Solutions Inc.</u>											
Project Name		Lab Project #		Sampling		Containers		Matrix		Preservative Key	
<u>IDOT 013- Pulaski Rd @ 115th St.</u>				Date Time <td colspan="2"># of</td> <td colspan="2">Matrix</td> <td colspan="2"> <ol style="list-style-type: none"> <li>HCL, Cool to 4°</li> <li>H2SO4, Cool to 4°</li> <li>HNO3, Cool to 4°</li> <li>NaOH, Cool to 4°</li> <li>NaOH/Zn, Cool to 4°</li> <li>NaHSO4</li> <li>Cool to 4°</li> <li>None</li> <li>Other</li> </ol> </td>		# of		Matrix		<ol style="list-style-type: none"> <li>HCL, Cool to 4°</li> <li>H2SO4, Cool to 4°</li> <li>HNO3, Cool to 4°</li> <li>NaOH, Cool to 4°</li> <li>NaOH/Zn, Cool to 4°</li> <li>NaHSO4</li> <li>Cool to 4°</li> <li>None</li> <li>Other</li> </ol>	
Project Location/State		Lab Project #		Date		Time		Matrix		Comments	
<u>Alsip, IL</u>											
Sampler		Lab PM		Date		Time		Matrix		Comments	
<u>m. Doherty-skubic</u>		<u>D. Wright</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	NOCS	SVOCs	TCC Metals	TCUP/SP Metals	PH
<u>11</u>		<u>VB-1(0-5)-090613</u>	<u>9-6-13</u>	<u>1230</u>	<u>2 S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>VB-1(0-5)-090613D</u>	<u>9-6-13</u>	<u>1230</u>	<u>2 S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>13</u>		<u>VB-1(8-10)-090613</u>	<u>9-6-13</u>	<u>1240</u>	<u>2 S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>14</u>		<u>VB-1-090613</u>	<u>9-6-13</u>	<u>1245</u>	<u>6 W</u>		<u>X</u>	<u>X</u>	<u>X</u>		
<u>15</u>		<u>VB-1-090613D</u>	<u>9-6-13</u>	<u>1245</u>	<u>6 W</u>		<u>X</u>	<u>X</u>	<u>X</u>		
<u>16</u>		<u>TRIP BLANK 1</u>	<u>—</u>	<u>—</u>	<u>2 W</u>		<u>X</u>				

Turnaround Time Required (Business Days)

\_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days \_\_\_ 7 Days \_\_\_ 10 Days \_\_\_ 15 Days Standard 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>msd@weston.com</u> Company: <u>Weston</u> Date: <u>9-6-13</u> Time: <u>1346</u>	Received By <u>David Bilgic</u> Company: <u>TA</u> Date: <u>9/6/13</u> Time: <u>1346</u>
Relinquished By <u>David Bilgic</u> Company: <u>TestAmerica</u> Date: <u>9/6/13</u> Time: <u>1510</u>	Received By <u>Sherry Scott</u> Company: <u>TA-CHE</u> Date: <u>9/6/13</u> Time: <u>1510</u>

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: FAP 3778: Pulaski Road at 115th Street Office Phone Number, if available: \_\_\_\_\_

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

11400 S. Pulaski Road

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

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

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

Latitude: 41.684094421 Longitude: -87.71989474

(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: FAP 3778: Pulaski Road at 115th StreetLatitude: 41.684094421 Longitude: -87.71989474Uncontaminated 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 VL1-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2676-8. 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: 500-62562-1.

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

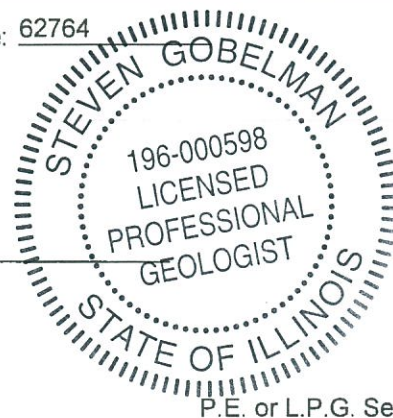
I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance 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 TransportationStreet Address: 2300 South Dirksen ParkwayCity: Springfield State: IL Zip Code: 62764Phone: 217-785-4246Steven Gobelman, P.E., L.P.G

Printed Name:

  
 Licensed Professional Engineer or  
 Licensed Professional Geologist Signature:

Date: 12/4/14

**Summary Table of ISGS No. 2676-8**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3778: Pulaski Road at 115th Street**  
**Alsip, Cook County, Illinois**

Field Sample ID	VL1-1(0-5)-090613	VL1-1(8-13)-090613	<b>Soil Reference Concentrations<sup>A</sup></b>
Sample Date	9/6/2013	9/6/2013	
Location ID	VL1-1	VL1-1	
Depth	0 - 5	8 - 13	
Parameter			
Laboratory pH (s.u.)	8.3	8.44	<6.25,>9.0
<b>VOCs (ug/kg)</b>			
Acetone	ND	9.2	25000
<b>SVOCs (ug/kg)</b>			
Benzo(a)anthracene	11 J	ND	900 / 1100 / 1800
Benzo(a)pyrene	11 J	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	14 J	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	13 J	14 J	2300000
Chrysene	17 J	13 J	88000
Fluoranthene	20 J	ND	3100000
Phenanthrene	ND	34 J	210000
Pyrene	20 J	ND	2300000
<b>TCL Metals (mg/kg)</b>			
Aluminum, Total	1300 B	7700 B	9200 / 9500
Arsenic, Total	1.6	6.5	11.3 / 13
Barium, Total	7.9 B	37 B	1500
Beryllium, Total	0.18 J	0.63	22
Cadmium, Total	0.1	0.46	5.2
Calcium, Total	27000 B	81000 B	---
Chromium, Total	3.2	14	21
Cobalt, Total	2.4	8.3	20
Copper, Total	2.2 B	17 B	2900
Iron, Total	4400	18000	15000 / 15900
Lead, Total	4.4 B	9.8 B	107
Magnesium, Total	13000 B	23000 B	325000
Manganese, Total	130 B	300 B	630 / 636
Mercury, Total	ND	0.028	0.89
Nickel, Total	3.4	23	100
Potassium, Total	280	2000	---
Selenium, Total	0.17 J	0.7	1.3
Strontium, Total	11 J	35 J	84
Thallium, Total	ND	0.42 J	2.6
Vanadium, Total	4.9	17	550
Zinc, Total	15 B	42 B	5100
<b>TCLP Metals (mg/l)</b>			
Barium, TCLP	0.83	1.5	2
Cobalt, TCLP	0.019 J	ND	1
Copper, TCLP	0.021 J	0.056	0.65
Iron, TCLP	0.36	0.25	5
Lead, TCLP	ND	0.008	0.0075
Manganese, TCLP	1.2	2.4	0.15
Nickel, TCLP	0.011 J	ND	0.1
Zinc, TCLP	0.72	0.82	5
<b>SPLP Metals (mg/l)</b>			
Barium, SPLP	0.57 B	0.73 B	2
Copper, SPLP	0.025	0.025	0.65
Iron, SPLP	2.5	0.87	5
Lead, SPLP	0.0063 J	0.0054 J	0.0075
Manganese, SPLP	0.038	0.029	0.15
Zinc, SPLP	0.5 B	0.63 B	5

**Summary Table of ISGS No. 2676-8**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAU 3778: Pulaski Road at 115th Street**  
**Alsip, Cook County, Illinois**

**Notes:**


--- - not applicable or value not available.

<sup>A</sup> - Soil reference concentrations from MAC Table and from TACO for leachable metals. Background values for Chicago corporate limits and MSA counties for VOCs and SVOCs are included, as applicable. Background values included for total inorganics, as applicable.

ND- not detected.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

 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: 500-62562-1  
Client Project/Site: IDOT - Pulaski Road - 013

For:  
Weston Solutions, Inc.  
750 E. Bunker Court  
Suite 500  
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar



Authorized for release by:  
9/20/2013 1:41:29 PM

Richard Wright, Project Manager II  
[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 - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL1-1(0-5)-090613**

**Lab Sample ID: 500-62562-9**

**Date Collected: 09/06/13 11:50**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 98.9**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.1		5.1	2.2	ug/Kg	*		09/11/13 14:17	1
Benzene	<5.1		5.1	0.69	ug/Kg	*		09/11/13 14:17	1
Bromodichloromethane	<5.1		5.1	0.87	ug/Kg	*		09/11/13 14:17	1
Bromoform	<5.1		5.1	1.2	ug/Kg	*		09/11/13 14:17	1
Bromomethane	<5.1		5.1	1.5	ug/Kg	*		09/11/13 14:17	1
Carbon disulfide	<5.1		5.1	0.76	ug/Kg	*		09/11/13 14:17	1
Carbon tetrachloride	<5.1		5.1	0.92	ug/Kg	*		09/11/13 14:17	1
Chlorobenzene	<5.1		5.1	0.51	ug/Kg	*		09/11/13 14:17	1
Chloroethane	<5.1		5.1	1.4	ug/Kg	*		09/11/13 14:17	1
Chloroform	<5.1		5.1	0.58	ug/Kg	*		09/11/13 14:17	1
Chloromethane	<5.1		5.1	1.1	ug/Kg	*		09/11/13 14:17	1
cis-1,2-Dichloroethene	<5.1		5.1	0.72	ug/Kg	*		09/11/13 14:17	1
cis-1,3-Dichloropropene	<5.1		5.1	0.66	ug/Kg	*		09/11/13 14:17	1
Dibromochloromethane	<5.1		5.1	0.88	ug/Kg	*		09/11/13 14:17	1
1,1-Dichloroethane	<5.1		5.1	0.80	ug/Kg	*		09/11/13 14:17	1
1,2-Dichloroethane	<5.1		5.1	0.75	ug/Kg	*		09/11/13 14:17	1
1,1-Dichloroethene	<5.1		5.1	0.82	ug/Kg	*		09/11/13 14:17	1
1,2-Dichloropropane	<5.1		5.1	0.77	ug/Kg	*		09/11/13 14:17	1
1,3-Dichloropropene, Total	<5.1		5.1	0.66	ug/Kg	*		09/11/13 14:17	1
Ethylbenzene	<5.1		5.1	1.0	ug/Kg	*		09/11/13 14:17	1
2-Hexanone	<5.1		5.1	1.5	ug/Kg	*		09/11/13 14:17	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg	*		09/11/13 14:17	1
Methyl Ethyl Ketone	<5.1		5.1	1.8	ug/Kg	*		09/11/13 14:17	1
methyl isobutyl ketone	<5.1		5.1	1.3	ug/Kg	*		09/11/13 14:17	1
Methyl tert-butyl ether	<5.1		5.1	0.84	ug/Kg	*		09/11/13 14:17	1
Styrene	<5.1		5.1	0.66	ug/Kg	*		09/11/13 14:17	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	1.0	ug/Kg	*		09/11/13 14:17	1
Tetrachloroethene	<5.1		5.1	0.77	ug/Kg	*		09/11/13 14:17	1
Toluene	<5.1		5.1	0.71	ug/Kg	*		09/11/13 14:17	1
trans-1,2-Dichloroethene	<5.1		5.1	0.70	ug/Kg	*		09/11/13 14:17	1
trans-1,3-Dichloropropene	<5.1		5.1	0.91	ug/Kg	*		09/11/13 14:17	1
1,1,1-Trichloroethane	<5.1		5.1	0.76	ug/Kg	*		09/11/13 14:17	1
1,1,2-Trichloroethane	<5.1		5.1	0.69	ug/Kg	*		09/11/13 14:17	1
Trichloroethene	<5.1		5.1	0.83	ug/Kg	*		09/11/13 14:17	1
Vinyl chloride	<5.1		5.1	1.1	ug/Kg	*		09/11/13 14:17	1
Xylenes, Total	<10		10	0.46	ug/Kg	*		09/11/13 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122		09/11/13 14:17	1
Dibromofluoromethane	96		75 - 120		09/11/13 14:17	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		09/11/13 14:17	1
Toluene-d8 (Surr)	96		75 - 122		09/11/13 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<160		160	37	ug/Kg	*	09/12/13 07:42	09/13/13 15:13	1
1,2-Dichlorobenzene	<160		160	35	ug/Kg	*	09/12/13 07:42	09/13/13 15:13	1
1,3-Dichlorobenzene	<160		160	34	ug/Kg	*	09/12/13 07:42	09/13/13 15:13	1
1,4-Dichlorobenzene	<160		160	34	ug/Kg	*	09/12/13 07:42	09/13/13 15:13	1
2,2'-oxybis[1-chloropropane]	<160		160	36	ug/Kg	*	09/12/13 07:42	09/13/13 15:13	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL1-1(0-5)-090613**

**Lab Sample ID: 500-62562-9**

**Date Collected: 09/06/13 11:50**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 98.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<320		320	92	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2,4,6-Trichlorophenol	<320	*	320	41	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2,4-Dichlorophenol	<320		320	98	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2,4-Dimethylphenol	<320		320	100	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2,4-Dinitrophenol	<650		650	170	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2,4-Dinitrotoluene	<160		160	49	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2,6-Dinitrotoluene	<160		160	38	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2-Chloronaphthalene	<160		160	36	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2-Chlorophenol	<160		160	46	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2-Methylnaphthalene	<160		160	42	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2-Methylphenol	<160		160	43	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2-Nitroaniline	<160		160	58	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
2-Nitrophenol	<320		320	51	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
3 & 4 Methylphenol	<160		160	61	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
3,3'-Dichlorobenzidine	<160		160	27	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
3-Nitroaniline	<320		320	62	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
4,6-Dinitro-2-methylphenol	<320		320	78	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
4-Bromophenyl phenyl ether	<160		160	36	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
4-Chloro-3-methylphenol	<320		320	150	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
4-Chloroaniline	<650		650	98	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
4-Chlorophenyl phenyl ether	<160		160	51	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
4-Nitroaniline	<320		320	66	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
4-Nitrophenol	<650		650	170	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Acenaphthene	<32		32	9.6	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Acenaphthylene	<32		32	7.4	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Anthracene	<32		32	7.6	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
<b>Benzo[a]anthracene</b>	<b>11</b>	<b>J</b>	32	6.8	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
<b>Benzo[a]pyrene</b>	<b>11</b>	<b>J</b>	32	5.9	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
<b>Benzo[b]fluoranthene</b>	<b>14</b>	<b>J</b>	32	6.3	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
<b>Benzo[g,h,i]perylene</b>	<b>13</b>	<b>J</b>	32	11	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Benzo[k]fluoranthene	<32		32	7.7	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Bis(2-chloroethoxy)methane	<160		160	36	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Bis(2-chloroethyl)ether	<160		160	48	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Bis(2-ethylhexyl) phthalate	<160		160	43	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Butyl benzyl phthalate	<160		160	40	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Carbazole	<160		160	45	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
<b>Chrysene</b>	<b>17</b>	<b>J</b>	32	7.3	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Dibenz(a,h)anthracene	<32		32	9.0	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Dibenzofuran	<160		160	39	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Diethyl phthalate	<160		160	54	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Dimethyl phthalate	<160		160	40	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Di-n-butyl phthalate	<160		160	41	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Di-n-octyl phthalate	<160		160	65	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
<b>Fluoranthene</b>	<b>20</b>	<b>J</b>	32	13	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Fluorene	<32		32	7.3	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Hexachlorobenzene	<65		65	6.4	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Hexachlorobutadiene	<160		160	42	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Hexachlorocyclopentadiene	<650		650	150	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Hexachloroethane	<160		160	34	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1

TestAmerica Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL1-1(0-5)-090613**

**Lab Sample ID: 500-62562-9**

**Date Collected: 09/06/13 11:50**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 98.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<32		32	11	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Isophorone	<160		160	36	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Naphthalene	<32		32	6.2	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Nitrobenzene	<32		32	10	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
N-Nitrosodi-n-propylamine	<160		160	41	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
N-Nitrosodiphenylamine	<160		160	44	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Pentachlorophenol	<650 *		650	160	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Phenanthrene	<32		32	14	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Phenol	<160		160	51	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
<b>Pyrene</b>	<b>20</b>	<b>J</b>	32	12	ug/Kg	☼	09/12/13 07:42	09/13/13 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		35 - 137				09/12/13 07:42	09/13/13 15:13	1
2-Fluorobiphenyl	77		25 - 119				09/12/13 07:42	09/13/13 15:13	1
2-Fluorophenol	77		25 - 110				09/12/13 07:42	09/13/13 15:13	1
Nitrobenzene-d5	68		25 - 115				09/12/13 07:42	09/13/13 15:13	1
Phenol-d5	78		31 - 110				09/12/13 07:42	09/13/13 15:13	1
Terphenyl-d14	95		36 - 134				09/12/13 07:42	09/13/13 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/12/13 07:30	09/13/13 20:50	1
<b>Barium</b>	<b>0.83</b>		0.50	0.010	mg/L		09/12/13 07:30	09/13/13 20:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/12/13 07:30	09/13/13 20:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/12/13 07:30	09/13/13 20:50	1
Chromium	<0.025		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:50	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.0050	mg/L		09/12/13 07:30	09/13/13 20:50	1
<b>Copper</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:50	1
<b>Iron</b>	<b>0.36</b>		0.20	0.20	mg/L		09/12/13 07:30	09/13/13 20:50	1
Lead	<0.0075		0.0075	0.0050	mg/L		09/12/13 07:30	09/13/13 20:50	1
<b>Manganese</b>	<b>1.2</b>		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:50	1
<b>Nickel</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:50	1
Selenium	<0.050		0.050	0.010	mg/L		09/12/13 07:30	09/13/13 20:50	1
Silver	<0.025		0.025	0.0050	mg/L		09/12/13 07:30	09/13/13 20:50	1
<b>Zinc</b>	<b>0.72</b>		0.10	0.020	mg/L		09/12/13 07:30	09/13/13 20:50	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		09/16/13 08:30	09/17/13 00:35	1
<b>Barium</b>	<b>0.57</b>	<b>B</b>	0.50	0.010	mg/L		09/16/13 08:30	09/17/13 00:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/16/13 08:30	09/17/13 00:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/16/13 08:30	09/17/13 00:35	1
Chromium	<0.025		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:35	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/16/13 08:30	09/17/13 00:35	1
<b>Copper</b>	<b>0.025</b>		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:35	1
<b>Iron</b>	<b>2.5</b>		0.20	0.20	mg/L		09/16/13 08:30	09/17/13 00:35	1
<b>Lead</b>	<b>0.0063</b>	<b>J</b>	0.0075	0.0050	mg/L		09/16/13 08:30	09/17/13 00:35	1
<b>Manganese</b>	<b>0.038</b>		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:35	1
Nickel	<0.025		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:35	1
Selenium	<0.050		0.050	0.010	mg/L		09/16/13 08:30	09/17/13 00:35	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL1-1(0-5)-090613**

**Lab Sample ID: 500-62562-9**

Date Collected: 09/06/13 11:50

Matrix: Solid

Date Received: 09/06/13 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		09/16/13 08:30	09/17/13 00:35	1
<b>Zinc</b>	<b>0.50</b>	<b>B</b>	0.10	0.020	mg/L		09/16/13 08:30	09/17/13 00:35	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>1300</b>	<b>B</b>	9.6	0.88	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
Antimony	<0.96		0.96	0.39	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Arsenic</b>	<b>1.6</b>		0.48	0.096	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Barium</b>	<b>7.9</b>	<b>B</b>	0.48	0.051	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Beryllium</b>	<b>0.18</b>	<b>J</b>	0.19	0.017	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Cadmium</b>	<b>0.10</b>		0.096	0.012	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Calcium</b>	<b>27000</b>	<b>B</b>	9.6	2.6	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Chromium</b>	<b>3.2</b>		0.48	0.056	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Cobalt</b>	<b>2.4</b>		0.24	0.017	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Copper</b>	<b>2.2</b>	<b>B</b>	0.48	0.043	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Iron</b>	<b>4400</b>		9.6	3.9	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Lead</b>	<b>4.4</b>	<b>B</b>	0.24	0.072	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Magnesium</b>	<b>13000</b>	<b>B</b>	4.8	0.99	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Manganese</b>	<b>130</b>	<b>B</b>	0.48	0.026	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Nickel</b>	<b>3.4</b>		0.48	0.047	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Potassium</b>	<b>280</b>		24	1.4	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Selenium</b>	<b>0.17</b>	<b>J</b>	0.48	0.17	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
Silver	<0.24		0.24	0.017	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Sodium</b>	<b>68</b>	<b>B</b>	48	6.4	mg/Kg	☼	09/09/13 10:30	09/18/13 23:32	1
Thallium	<0.48		0.48	0.20	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Vanadium</b>	<b>4.9</b>		0.24	0.036	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Zinc</b>	<b>15</b>	<b>B</b>	0.96	0.19	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1
<b>Strontium</b>	<b>11</b>	<b>B ^</b>	0.24	0.0096	mg/Kg	☼	09/09/13 10:30	09/17/13 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/12/13 15:30	09/13/13 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.042</b>	<b>J B</b>	0.20	0.020	ug/L		09/16/13 15:15	09/17/13 11:16	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	<15		15	6.9	ug/Kg	☼	09/09/13 14:15	09/10/13 11:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.30</b>		0.200	0.200	SU			09/12/13 14:29	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL1-1(8-13)-090613**

**Lab Sample ID: 500-62562-10**

**Date Collected: 09/06/13 11:55**

**Matrix: Solid**

**Date Received: 09/06/13 15:10**

**Percent Solids: 86.4**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.2		5.8	2.5	ug/Kg	☼		09/11/13 14:40	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		09/11/13 14:40	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		09/11/13 14:40	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		09/11/13 14:40	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		09/11/13 14:40	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		09/11/13 14:40	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		09/11/13 14:40	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		09/11/13 14:40	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		09/11/13 14:40	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		09/11/13 14:40	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		09/11/13 14:40	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		09/11/13 14:40	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		09/11/13 14:40	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		09/11/13 14:40	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		09/11/13 14:40	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		09/11/13 14:40	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		09/11/13 14:40	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		09/11/13 14:40	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		09/11/13 14:40	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		09/11/13 14:40	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		09/11/13 14:40	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		09/11/13 14:40	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		09/11/13 14:40	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		09/11/13 14:40	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		09/11/13 14:40	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		09/11/13 14:40	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		09/11/13 14:40	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		09/11/13 14:40	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		09/11/13 14:40	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		09/11/13 14:40	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		09/11/13 14:40	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		09/11/13 14:40	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		09/11/13 14:40	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		09/11/13 14:40	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		09/11/13 14:40	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		09/11/13 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122		09/11/13 14:40	1
Dibromofluoromethane	101		75 - 120		09/11/13 14:40	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		09/11/13 14:40	1
Toluene-d8 (Surr)	96		75 - 122		09/11/13 14:40	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	43	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
1,2-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
1,3-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
1,4-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL1-1(8-13)-090613**

**Lab Sample ID: 500-62562-10**

Date Collected: 09/06/13 11:55

Matrix: Solid

Date Received: 09/06/13 15:10

Percent Solids: 86.4

**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	110	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2,4,6-Trichlorophenol	<380	*	380	48	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2,4-Dichlorophenol	<380		380	120	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2,4-Dimethylphenol	<380		380	120	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2,4-Dinitrophenol	<770		770	200	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2,6-Dinitrotoluene	<190		190	45	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2-Chlorophenol	<190		190	55	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2-Methylnaphthalene	<190		190	50	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2-Methylphenol	<190		190	51	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2-Nitroaniline	<190		190	69	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
2-Nitrophenol	<380		380	60	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
3 & 4 Methylphenol	<190		190	72	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
3,3'-Dichlorobenzidine	<190		190	32	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
3-Nitroaniline	<380		380	74	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
4,6-Dinitro-2-methylphenol	<380		380	93	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
4-Bromophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
4-Chloro-3-methylphenol	<380		380	180	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
4-Chloroaniline	<770		770	120	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
4-Chlorophenyl phenyl ether	<190		190	60	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
4-Nitroaniline	<380		380	78	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
4-Nitrophenol	<770		770	210	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Acenaphthene	<38		38	11	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Acenaphthylene	<38		38	8.8	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Anthracene	<38		38	9.0	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Benzo[a]anthracene	<38		38	8.0	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Benzo[a]pyrene	<38		38	7.0	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Benzo[b]fluoranthene	<38		38	7.4	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
<b>Benzo[g,h,i]perylene</b>	<b>14</b>	<b>J</b>	38	13	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Benzo[k]fluoranthene	<38		38	9.1	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Bis(2-chloroethoxy)methane	<190		190	42	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Bis(2-ethylhexyl) phthalate	<190		190	51	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Butyl benzyl phthalate	<190		190	48	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Carbazole	<190		190	54	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
<b>Chrysene</b>	<b>13</b>	<b>J</b>	38	8.6	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Dibenz(a,h)anthracene	<38		38	11	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Dibenzofuran	<190		190	46	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Di-n-butyl phthalate	<190		190	48	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Di-n-octyl phthalate	<190		190	78	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Fluoranthene	<38		38	16	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Fluorene	<38		38	8.7	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Hexachlorobenzene	<77		77	7.5	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Hexachlorobutadiene	<190		190	50	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Hexachlorocyclopentadiene	<770		770	180	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Hexachloroethane	<190		190	41	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL1-1(8-13)-090613**

**Lab Sample ID: 500-62562-10**

Date Collected: 09/06/13 11:55

Matrix: Solid

Date Received: 09/06/13 15:10

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	13	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Isophorone	<190		190	43	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Naphthalene	<38		38	7.4	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Nitrobenzene	<38		38	12	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
N-Nitrosodi-n-propylamine	<190		190	49	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
N-Nitrosodiphenylamine	<190		190	52	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Pentachlorophenol	<770 *		770	190	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
<b>Phenanthrene</b>	<b>34</b>	<b>J</b>	38	16	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Phenol	<190		190	61	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Pyrene	<38		38	14	ug/Kg	☼	09/12/13 07:42	09/13/13 15:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		35 - 137				09/12/13 07:42	09/13/13 15:30	1
2-Fluorobiphenyl	71		25 - 119				09/12/13 07:42	09/13/13 15:30	1
2-Fluorophenol	73		25 - 110				09/12/13 07:42	09/13/13 15:30	1
Nitrobenzene-d5	59		25 - 115				09/12/13 07:42	09/13/13 15:30	1
Phenol-d5	74		31 - 110				09/12/13 07:42	09/13/13 15:30	1
Terphenyl-d14	86		36 - 134				09/12/13 07:42	09/13/13 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/12/13 07:30	09/13/13 20:55	1
<b>Barium</b>	<b>1.5</b>		0.50	0.010	mg/L		09/12/13 07:30	09/13/13 20:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/12/13 07:30	09/13/13 20:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/12/13 07:30	09/13/13 20:55	1
Chromium	<0.025		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:55	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/12/13 07:30	09/13/13 20:55	1
<b>Copper</b>	<b>0.056</b>		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:55	1
<b>Iron</b>	<b>0.25</b>		0.20	0.20	mg/L		09/12/13 07:30	09/13/13 20:55	1
<b>Lead</b>	<b>0.0080</b>		0.0075	0.0050	mg/L		09/12/13 07:30	09/13/13 20:55	1
<b>Manganese</b>	<b>2.4</b>		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:55	1
Nickel	<0.025		0.025	0.010	mg/L		09/12/13 07:30	09/13/13 20:55	1
Selenium	<0.050		0.050	0.010	mg/L		09/12/13 07:30	09/13/13 20:55	1
Silver	<0.025		0.025	0.0050	mg/L		09/12/13 07:30	09/13/13 20:55	1
<b>Zinc</b>	<b>0.82</b>		0.10	0.020	mg/L		09/12/13 07:30	09/13/13 20:55	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		09/16/13 08:30	09/17/13 00:41	1
<b>Barium</b>	<b>0.73</b>	<b>B</b>	0.50	0.010	mg/L		09/16/13 08:30	09/17/13 00:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/16/13 08:30	09/17/13 00:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/16/13 08:30	09/17/13 00:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:41	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/16/13 08:30	09/17/13 00:41	1
<b>Copper</b>	<b>0.025</b>		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:41	1
<b>Iron</b>	<b>0.87</b>		0.20	0.20	mg/L		09/16/13 08:30	09/17/13 00:41	1
<b>Lead</b>	<b>0.0054</b>	<b>J</b>	0.0075	0.0050	mg/L		09/16/13 08:30	09/17/13 00:41	1
<b>Manganese</b>	<b>0.029</b>		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:41	1
Nickel	<0.025		0.025	0.010	mg/L		09/16/13 08:30	09/17/13 00:41	1
Selenium	<0.050		0.050	0.010	mg/L		09/16/13 08:30	09/17/13 00:41	1

TestAmerica Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

**Client Sample ID: VL1-1(8-13)-090613**

**Lab Sample ID: 500-62562-10**

Date Collected: 09/06/13 11:55

Matrix: Solid

Date Received: 09/06/13 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		09/16/13 08:30	09/17/13 00:41	1
<b>Zinc</b>	<b>0.63</b>	<b>B</b>	0.10	0.020	mg/L		09/16/13 08:30	09/17/13 00:41	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>7700</b>	<b>B</b>	11	1.0	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Arsenic</b>	<b>6.5</b>		0.56	0.11	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Barium</b>	<b>37</b>	<b>B</b>	0.56	0.059	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Beryllium</b>	<b>0.63</b>		0.22	0.020	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Cadmium</b>	<b>0.46</b>		0.11	0.014	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Calcium</b>	<b>81000</b>	<b>B</b>	110	30	mg/Kg	☼	09/09/13 10:30	09/18/13 23:37	10
<b>Chromium</b>	<b>14</b>		0.56	0.064	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Cobalt</b>	<b>8.3</b>		0.28	0.020	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Copper</b>	<b>17</b>	<b>B</b>	0.56	0.049	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Iron</b>	<b>18000</b>		11	4.6	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Lead</b>	<b>9.8</b>	<b>B</b>	0.28	0.083	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Magnesium</b>	<b>23000</b>	<b>B</b>	5.6	1.1	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Manganese</b>	<b>300</b>	<b>B</b>	0.56	0.030	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Nickel</b>	<b>23</b>		0.56	0.054	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Potassium</b>	<b>2000</b>		28	1.7	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Selenium</b>	<b>0.70</b>		0.56	0.20	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Sodium</b>	<b>250</b>	<b>J B</b>	560	74	mg/Kg	☼	09/09/13 10:30	09/18/13 23:37	10
<b>Thallium</b>	<b>0.42</b>	<b>J</b>	0.56	0.23	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Vanadium</b>	<b>17</b>		0.28	0.041	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Zinc</b>	<b>42</b>	<b>B</b>	1.1	0.22	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1
<b>Strontium</b>	<b>35</b>	<b>B ^</b>	0.28	0.011	mg/Kg	☼	09/09/13 10:30	09/17/13 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/12/13 15:30	09/13/13 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.051</b>	<b>J B</b>	0.20	0.020	ug/L		09/16/13 15:15	09/17/13 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>28</b>		18	8.6	ug/Kg	☼	09/09/13 14:15	09/10/13 11:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.44</b>		0.200	0.200	SU			09/12/13 12:10	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD 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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

### 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.
F	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits

## 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
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 - Pulaski Road - 013

TestAmerica Job ID: 500-62562-1

## Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	09-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

\* Expired certification is currently pending renewal and is considered valid.





# TestAmerica



ENVIRONMENTAL TESTING

reet, University Park, IL 60484  
4.5200 Fax: 708.534.5211

500-62562 COC

Report To (optional)  
Contact: S. Babusukumar  
Company: Weston Solutions Inc.  
Address: 750 E Bunker Ct. Str. 500  
Address: Vernon Hills, IL 60061  
Phone: 847-918-4018  
Fax: 847-918-4055  
E-Mail:

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

## Chain of Custody Record

Lab Job #: 500-62562  
Chain of Custody Number:  
Page 1 of 2  
Temperature °C of Cooler: 317

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions Inc.											
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
1 DOT 013 - Pulaski Rd. @ 115th St.											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
Alsip, IL		D. Wright									
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
M. Doherty - stabic		D. Wright									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOLs	SVOCs	TCL Metals	TCLP/SLP Metals	pH
1		VL-4(0-5.5)-090613	9-6-13	0910	2	S	X	X	X	X	X
2		VL-3(6-13)-090613D	9-6-13	0945	2	S	X	X	X	X	X
3		VL-3(0-5)-090613	9-6-13	0935	2	S	X	X	X	X	X
4		VL-3(8-13)-090613	9-6-13	0945	2	S	X	X	X	X	X
5		VL-2(4-6)-090613	9-6-13	1010	2	S	X	X	X	X	X
6		VL-1(0-6)-090613	9-6-13	1040	2	S	X	X	X	X	X
7		MF-1(0-5)-090613	9-6-13	1105	2	S	X	X	X	X	X
8		MF-1(8-13)-090613	9-6-13	1115	2	S	X	X	X	X	X
9		VLI-1(6-5)-090613	9-6-13	1150	2	S	X	X	X	X	X
10		VLI-1(8-13)-090613	9-6-13	1155	2	S	X	X	X	X	X

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

Turnaround Time Required (Business Days)  
 1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  extended 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>Tommy M. Li</u>	Company <u>Weston</u>	Date <u>9-6-13</u>	Time <u>1346</u>	Received By <u>Paul Williams</u>	Company <u>TA</u>	Date <u>9/6/13</u>	Time <u>1346</u>
Relinquished By <u>Paul Williams</u>	Company <u>TestAmerica</u>	Date <u>9/6/13</u>	Time <u>1510</u>	Received By <u>Sherrill</u>	Company <u>TA</u>	Date <u>9/6/13</u>	Time <u>1510</u>

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

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

Client Comments:

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
Contact: S. Babusukumar  
Company: Weston Solutions Inc.  
Address: 750 E. Bunker Ct. Ste. 500  
Address: Vernon Hills, IL 60061  
Phone: 847-918-4488  
Fax: 847-918-4055  
E-Mail:

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

## Chain of Custody Record

Lab Job #: 500-62562  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 2  
Temperature °C of Cooler: 3.7

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston Solutions Inc.</u>											
Project Name		Lab Project #		Sampling		Containers		Matrix		Preservative Key	
<u>IDOT 013- Pulaski Rd @ 115th St.</u>				Date Time		# of		Matrix		<ol style="list-style-type: none"> <li>HCL, Cool to 4°</li> <li>H2SO4, Cool to 4°</li> <li>HNO3, Cool to 4°</li> <li>NaOH, Cool to 4°</li> <li>NaOH/Zn, Cool to 4°</li> <li>NaHSO4</li> <li>Cool to 4°</li> <li>None</li> <li>Other</li> </ol>	
<u>Alsip, IL</u>											
Sampler <u>m. Doherty-skubic</u>		Lab PM <u>D. Wright</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of	Matrix	NOCS	SVOCs	TCC Metals	TCLP/SLP Metals	PH
<u>11</u>		<u>VB-1(0-5)-090613</u>	<u>9-6-13</u>	<u>1230</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>VB-1(0-5)-090613D</u>	<u>9-6-13</u>	<u>1230</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>13</u>		<u>VB-1(8-10)-090613</u>	<u>9-6-13</u>	<u>1240</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>14</u>		<u>VB-1-090613</u>	<u>9-6-13</u>	<u>1245</u>	<u>6</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>15</u>		<u>VB-1-090613D</u>	<u>9-6-13</u>	<u>1245</u>	<u>6</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>16</u>		<u>TRIP BLANK 1</u>	<u>—</u>	<u>—</u>	<u>2</u>	<u>W</u>	<u>X</u>				

Turnaround Time Required (Business Days)

\_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days \_\_\_ 7 Days \_\_\_ 10 Days \_\_\_ 15 Days Standard Other

Sample Disposal

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Relinquished By <u>MS/MSD</u> Company <u>Weston</u> Date <u>9-6-13</u> Time <u>1346</u>	Received By <u>David Biligors</u> Company <u>TA</u> Date <u>9/6/13</u> Time <u>1346</u>
Relinquished By <u>David Biligors</u> Company <u>TestAmerica</u> Date <u>9/6/13</u> Time <u>1510</u>	Received By <u>Sherry Scott</u> Company <u>TA-CHE</u> Date <u>9/6/13</u> Time <u>1510</u>

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Shipped \_\_\_\_\_  
Hand Delivered \_\_\_\_\_

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