



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 343: IL 68 from Kennicott Ave to N. Wilke Rd Office Phone Number, if available: _____

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

1002 W. Dundee Road (ISGS Site No. 2634-4)

City: Arlington Heights State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.139219444 Longitude: -87.995058333

(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 343: IL 68 from Kennicott Ave to N. Wilke Rd

Latitude: 42.139219444 Longitude: -87.995058333

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION MC-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2634-4. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94236-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.
 Street Address: 300 Plaza Circle, Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: 224-864-7267

William F. Karlovitz, P.E.
 Printed Name:

William F. Karlovitz
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

15 June 2015
 Date:



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

Summary Table of ISGS Site No. 2634-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Field Sample ID	MC-1(0-1)-040615	Soil Reference Concentrations^A
Sample Date	4/6/2015	
Location ID	MC-1	
Depth	0 - 1	
ISGS Site No.	2634-4	
Parameter		
Laboratory pH (s.u.)	8.48	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
Acenaphthene	22 J	570000
Acenaphthylene	9 J	---
Anthracene	83	1.20E+07
Benzo(a)anthracene	600	900 / 1100 / 1800
Benzo(a)pyrene	660	90 / 1300 / 2100
Benzo(b)fluoranthene	1100	900 / 1500 / 2100
Benzo(g,h,i)perylene	620	---
Benzo(k)fluoranthene	420	9000
bis(2-Ethylhexyl)phthalate	88 J	46000
Butyl benzyl phthalate	90 J	930000
Chrysene	730	88000
Dibenzo(a,h)anthracene	83	90 / 200 / 420
Fluoranthene	1400	3100000
Fluorene	22 J	560000
Indeno(1,2,3-cd)pyrene	520	900 / 900 / 1600
Phenanthrene	520	---
Pyrene	1400	2300000
Total Metals (mg/kg)		
Arsenic, Total	6.6	11.3 / 13
Barium, Total	76	1500
Beryllium, Total	0.65	22
Cadmium, Total	0.68	5.2
Calcium, Total	26000 J+	---
Chromium, Total	25	21
Cobalt, Total	11	20
Copper, Total	30	2900
Iron, Total	19000 J+	15000 / 15900
Lead, Total	93	107
Magnesium, Total	16000 J+	325000
Manganese, Total	430 J	630 / 636
Mercury, Total	0.095	0.89
Nickel, Total	28	100
Potassium, Total	2100 J+	---
Selenium, Total	0.51 J	1.3
Sodium, Total	980	---
Vanadium, Total	24	550
Zinc, Total	120	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.45 J	2
Cadmium, TCLP	0.0031 J	0.005
Chromium, TCLP	ND	0.1
Copper, TCLP	0.013 J	0.65
Iron, TCLP	ND	5
Manganese, TCLP	0.14	0.15
SPLP Metals (mg/l)		
Arsenic, SPLP	0.041 J	0.05
Barium, SPLP	0.45 J	2
Chromium, SPLP	0.11	0.1
Cobalt, SPLP	0.022 J	1
Copper, SPLP	0.12	0.65
Iron, SPLP	110 J+	5
Lead, SPLP	0.13	0.0075
Manganese, SPLP	0.54	0.15
Nickel, SPLP	0.097	0.1
Zinc, SPLP	0.41	5

Summary Table of ISGS Site No. 2634-4
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Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois


Notes:

--- - not applicable or value not available.

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

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94236-1
Client Project/Site: IDOT - Arlington Heights - WO 013

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

Attn: Mr. S. Babusukumar



Authorized for release by:
4/14/2015 9:29:09 AM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
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.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: MC1(0-1)-040615

Lab Sample ID: 500-94236-3

Date Collected: 04/06/15 13:40

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 80.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		04/07/15 17:50	1
Benzene	<6.2		6.2	0.86	ug/Kg	☼		04/07/15 17:50	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/07/15 17:50	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/07/15 17:50	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/07/15 17:50	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		04/07/15 17:50	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/07/15 17:50	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/07/15 17:50	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/07/15 17:50	1
Chloroform	<6.2		6.2	0.72	ug/Kg	☼		04/07/15 17:50	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/07/15 17:50	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		04/07/15 17:50	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		04/07/15 17:50	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/07/15 17:50	1
1,1-Dichloroethane	<6.2		6.2	0.99	ug/Kg	☼		04/07/15 17:50	1
1,2-Dichloroethane	<6.2		6.2	0.93	ug/Kg	☼		04/07/15 17:50	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/07/15 17:50	1
1,2-Dichloropropane	<6.2		6.2	0.95	ug/Kg	☼		04/07/15 17:50	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		04/07/15 17:50	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		04/07/15 17:50	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/07/15 17:50	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/07/15 17:50	1
Methyl Ethyl Ketone	<6.2		6.2	2.3	ug/Kg	☼		04/07/15 17:50	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/07/15 17:50	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/07/15 17:50	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		04/07/15 17:50	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/07/15 17:50	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		04/07/15 17:50	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		04/07/15 17:50	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	☼		04/07/15 17:50	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/07/15 17:50	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		04/07/15 17:50	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		04/07/15 17:50	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/07/15 17:50	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/07/15 17:50	1
Xylenes, Total	<12		12	0.57	ug/Kg	☼		04/07/15 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122		04/07/15 17:50	1
Dibromofluoromethane	99		75 - 120		04/07/15 17:50	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134		04/07/15 17:50	1
Toluene-d8 (Surr)	100		75 - 122		04/07/15 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: MC1(0-1)-040615

Lab Sample ID: 500-94236-3

Date Collected: 04/06/15 13:40

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2-Methylphenol	<200		200	65	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Acenaphthene	22 J		40	7.2	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Acenaphthylene	9.0 J		40	5.3	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Anthracene	83		40	6.7	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Benzo[a]anthracene	600		40	5.4	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Benzo[a]pyrene	660		40	7.8	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Benzo[b]fluoranthene	1100		40	8.7	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Benzo[g,h,i]perylene	620		40	13	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Benzo[k]fluoranthene	420		40	12	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Bis(2-ethylhexyl) phthalate	88 J		200	74	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Butyl benzyl phthalate	90 J		200	77	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Carbazole	<200		200	100	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Chrysene	730		40	11	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Dibenz(a,h)anthracene	83		40	7.8	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Fluoranthene	1400		40	7.5	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Fluorene	22 J		40	5.7	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: MC1(0-1)-040615

Lab Sample ID: 500-94236-3

Date Collected: 04/06/15 13:40

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	520		40	10	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Isophorone	<200		200	45	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Naphthalene	<40		40	6.2	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Phenanthrene	520		40	5.6	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Phenol	<200		200	89	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Pyrene	1400		40	8.0	ug/Kg	☼	04/08/15 07:08	04/10/15 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		35 - 137				04/08/15 07:08	04/10/15 15:36	1
2-Fluorobiphenyl	54		25 - 119				04/08/15 07:08	04/10/15 15:36	1
2-Fluorophenol	41		25 - 110				04/08/15 07:08	04/10/15 15:36	1
Nitrobenzene-d5	42		25 - 115				04/08/15 07:08	04/10/15 15:36	1
Phenol-d5	54		31 - 110				04/08/15 07:08	04/10/15 15:36	1
Terphenyl-d14	78		36 - 134				04/08/15 07:08	04/10/15 15:36	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/15 08:40	04/10/15 14:12	1
Barium	0.45	J	0.50	0.050	mg/L		04/09/15 08:40	04/10/15 14:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:40	04/10/15 14:12	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		04/09/15 08:40	04/10/15 14:12	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:12	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:12	1
Copper	0.013	J	0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:12	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:40	04/10/15 14:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:40	04/10/15 14:12	1
Manganese	0.14		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:12	1
Nickel	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:12	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:40	04/10/15 14:12	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:12	1
Zinc	0.054	J B	0.10	0.020	mg/L		04/09/15 08:40	04/10/15 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.041	J	0.050	0.010	mg/L		04/10/15 08:20	04/11/15 03:12	1
Barium	0.45	J	0.50	0.050	mg/L		04/10/15 08:20	04/11/15 03:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:20	04/11/15 03:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:20	04/11/15 03:12	1
Chromium	0.11		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:12	1
Cobalt	0.022	J	0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:12	1
Copper	0.12		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:12	1
Iron	110		0.20	0.20	mg/L		04/10/15 08:20	04/11/15 03:12	1
Lead	0.13		0.0075	0.0075	mg/L		04/10/15 08:20	04/11/15 03:12	1
Manganese	0.54		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:12	1
Nickel	0.097		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:12	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:20	04/11/15 03:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: MC1(0-1)-040615

Lab Sample ID: 500-94236-3

Date Collected: 04/06/15 13:40

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:12	1
Zinc	0.41		0.10	0.020	mg/L		04/10/15 08:20	04/11/15 03:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.26	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Arsenic	6.6		0.62	0.29	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Barium	76		0.62	0.11	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Beryllium	0.65		0.25	0.054	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Cadmium	0.68		0.12	0.036	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Calcium	26000		12	4.0	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Chromium	25		0.62	0.11	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Cobalt	11		0.31	0.070	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Copper	30		0.62	0.13	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Iron	19000		12	4.8	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Lead	93		0.31	0.15	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Magnesium	16000	B	6.2	2.5	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Manganese	430		0.62	0.12	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Nickel	28		0.62	0.17	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Potassium	2100		31	5.1	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Selenium	0.51	J	0.62	0.31	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Silver	<0.31		0.31	0.072	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Sodium	980		62	8.2	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Thallium	<0.62		0.62	0.30	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Vanadium	24		0.31	0.090	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1
Zinc	120		1.2	0.39	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	95		19	6.8	ug/Kg	⊛	04/08/15 14:00	04/09/15 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.48		0.200	0.200	SU			04/08/15 14:51	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery exceeds the control limits
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

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500-94236 COC

Report To (optional)
Contact: Andris Stesen
Company: Weston Solutions
Address: 300 Circle Plaza
Address: Mundelein IL
Phone:
Fax:
E-Mail: Andris.Stesen@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94236
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 36, 4.0

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston Solutions</u>		<u>013</u>																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		Matrix		VOCs		SVOCs		Total Metals		TCMP/SPLP Metals		PH		Comments	
<u>IDOT 013</u>				Date	Time	# of Containers	Matrix												
Lab ID	MS/MSD	Sample ID																	
<u>1</u>		<u>CB11(0-6)-040615</u>		<u>4/6</u>	<u>1320</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>2</u>		<u>CB11(6-13)-040615</u>		<u>4/16</u>	<u>1330</u>	<u>2</u>	<u>S</u>												
<u>3</u>		<u>MCI(0-1)-040615</u>		<u>4/16</u>	<u>1340</u>	<u>2</u>	<u>S</u>												
<u>4</u>		<u>BP2(0-1)-040615</u>		<u>4/16</u>	<u>1400</u>	<u>2</u>	<u>S</u>												
<u>5</u>		<u>BPI(0-6)-040615</u>		<u>4/16</u>	<u>1420</u>	<u>2</u>	<u>S</u>												
<u>6</u>		<u>BPI(0-6)-040615D</u>		<u>4/16</u>	<u>1420</u>	<u>2</u>	<u>S</u>												
<u>7</u>		<u>BPI(6-13)-040615</u>		<u>4/16</u>	<u>1430</u>	<u>2</u>	<u>S</u>												
<u>8</u>		<u>ANI(0-6)-040615</u>		<u>4/16</u>	<u>1450</u>	<u>2</u>	<u>S</u>												
<u>9</u>		<u>ANI(6-13)-040615</u>		<u>4/16</u>	<u>1500</u>	<u>2</u>	<u>S</u>												

Turnaround Time Required (Business Days): 1 Day 2 Days 5 Days X 7 Days 10 Days 15 Days Other
Requested Due Date: _____
Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>4/16/15</u> Time: <u>1630</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/16/15</u> Time: <u>1630</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/17/15</u> Time: <u>950</u>	Received By: <u>[Signature]</u> Company: <u>TA - CRT</u> Date: <u>4/17/15</u> Time: <u>0950</u>

Lab Courier: [Signature]
Shipped: _____

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:

Elmhurst

 503325 4/14/2015



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 343: IL 68 from Kennicott Ave to N. Wilke Rd Office Phone Number, if available: _____

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

1006 W. Dundee Road (ISGS Site No. 2634-5)

City: Arlington Heights State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.13925000 Longitude: -87.995505556
(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 343: IL 68 from Kennicott Ave to N. Wilke Rd

Latitude: 42.13925000 Longitude: -87.995505556

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION BP-2 WAS SAMPLED ADJACENT TO ISGS SITE No. 2634-5. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94236-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.
 Street Address: 300 Plaza Circle, Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: 224-864-7267

William F. Karlovitz, P.E.
 Printed Name:

William F. Karlovitz
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

15 June 2015
 Date:



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

Summary Table of ISGS Site No. 2634-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Field Sample ID	BP-2(0-1)-040615	Soil Reference Concentrations^A
Sample Date	4/6/2015	
Location ID	BP-2	
Depth	0 - 1	
ISGS Site No.	2634-5	
Parameter		
Laboratory pH (s.u.)	7.68	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
Anthracene	26 J	1.20E+07
Benzo(a)anthracene	200	900 / 1100 / 1800
Benzo(a)pyrene	240	90 / 1300 / 2100
Benzo(b)fluoranthene	380	900 / 1500 / 2100
Benzo(g,h,i)perylene	220	---
Benzo(k)fluoranthene	160	9000
Chrysene	260	88000
Dibenzo(a,h)anthracene	47	90 / 200 / 420
Fluoranthene	470	3100000
Indeno(1,2,3-cd)pyrene	190	900 / 900 / 1600
Phenanthrene	160	---
Pyrene	430	2300000
Total Metals (mg/kg)		
Arsenic, Total	5.7	11.3 / 13
Barium, Total	91	1500
Beryllium, Total	0.7	22
Cadmium, Total	0.38	5.2
Calcium, Total	17000 J+	---
Chromium, Total	22	21
Cobalt, Total	9.6	20
Copper, Total	26	2900
Iron, Total	18000 J+	15000 / 15900
Lead, Total	96	107
Magnesium, Total	11000 J+	325000
Manganese, Total	330 J	630 / 636
Mercury, Total	0.042	0.89
Nickel, Total	23	100
Potassium, Total	2000 J+	---
Selenium, Total	0.33 J	1.3
Sodium, Total	590	---
Vanadium, Total	25	550
Zinc, Total	110	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.49 J	2
Cadmium, TCLP	0.0031 J	0.005
Chromium, TCLP	ND	0.1
Copper, TCLP	0.013 J	0.65
Iron, SPLP	ND	5
Manganese, TCLP	0.15	0.15
SPLP Metals (mg/l)		
Arsenic, SPLP	0.027 J	0.05
Barium, SPLP	0.41 J	2
Chromium, SPLP	0.093	0.1
Cobalt, SPLP	0.023 J	1
Copper, SPLP	0.087	0.65
Iron, SPLP	96 J+	5
Lead, SPLP	0.11	0.0075
Manganese, SPLP	0.65	0.15
Nickel, SPLP	0.084	0.1
Zinc, SPLP	0.34	5

Notes:

--- - not applicable or value not available.

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

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94236-1

Client Project/Site: IDOT - Arlington Heights - WO 013

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
4/14/2015 9:29:09 AM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: BP2(0-1)-040615

Lab Sample ID: 500-94236-4

Date Collected: 04/06/15 14:00

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 76.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.6		6.6	2.8	ug/Kg	*		04/07/15 18:15	1
Benzene	<6.6		6.6	0.90	ug/Kg	*		04/07/15 18:15	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg	*		04/07/15 18:15	1
Bromoform	<6.6		6.6	1.5	ug/Kg	*		04/07/15 18:15	1
Bromomethane	<6.6		6.6	2.0	ug/Kg	*		04/07/15 18:15	1
Carbon disulfide	<6.6		6.6	0.98	ug/Kg	*		04/07/15 18:15	1
Carbon tetrachloride	<6.6		6.6	1.2	ug/Kg	*		04/07/15 18:15	1
Chlorobenzene	<6.6		6.6	0.66	ug/Kg	*		04/07/15 18:15	1
Chloroethane	<6.6		6.6	1.8	ug/Kg	*		04/07/15 18:15	1
Chloroform	<6.6		6.6	0.75	ug/Kg	*		04/07/15 18:15	1
Chloromethane	<6.6		6.6	1.4	ug/Kg	*		04/07/15 18:15	1
cis-1,2-Dichloroethene	<6.6		6.6	0.93	ug/Kg	*		04/07/15 18:15	1
cis-1,3-Dichloropropene	<6.6		6.6	0.86	ug/Kg	*		04/07/15 18:15	1
Dibromochloromethane	<6.6		6.6	1.1	ug/Kg	*		04/07/15 18:15	1
1,1-Dichloroethane	<6.6		6.6	1.0	ug/Kg	*		04/07/15 18:15	1
1,2-Dichloroethane	<6.6		6.6	0.97	ug/Kg	*		04/07/15 18:15	1
1,1,1-Dichloroethene	<6.6		6.6	1.1	ug/Kg	*		04/07/15 18:15	1
1,2-Dichloropropane	<6.6		6.6	0.99	ug/Kg	*		04/07/15 18:15	1
1,3-Dichloropropene, Total	<6.6		6.6	0.86	ug/Kg	*		04/07/15 18:15	1
Ethylbenzene	<6.6		6.6	1.3	ug/Kg	*		04/07/15 18:15	1
2-Hexanone	<6.6		6.6	1.9	ug/Kg	*		04/07/15 18:15	1
Methylene Chloride	<6.6		6.6	1.8	ug/Kg	*		04/07/15 18:15	1
Methyl Ethyl Ketone	<6.6		6.6	2.4	ug/Kg	*		04/07/15 18:15	1
methyl isobutyl ketone	<6.6		6.6	1.7	ug/Kg	*		04/07/15 18:15	1
Methyl tert-butyl ether	<6.6		6.6	1.1	ug/Kg	*		04/07/15 18:15	1
Styrene	<6.6		6.6	0.86	ug/Kg	*		04/07/15 18:15	1
1,1,1,2-Tetrachloroethane	<6.6		6.6	1.3	ug/Kg	*		04/07/15 18:15	1
Tetrachloroethene	<6.6		6.6	1.0	ug/Kg	*		04/07/15 18:15	1
Toluene	<6.6		6.6	0.92	ug/Kg	*		04/07/15 18:15	1
trans-1,2-Dichloroethene	<6.6		6.6	0.90	ug/Kg	*		04/07/15 18:15	1
trans-1,3-Dichloropropene	<6.6		6.6	1.2	ug/Kg	*		04/07/15 18:15	1
1,1,1-Trichloroethane	<6.6		6.6	0.98	ug/Kg	*		04/07/15 18:15	1
1,1,2-Trichloroethane	<6.6		6.6	0.89	ug/Kg	*		04/07/15 18:15	1
Trichloroethene	<6.6		6.6	1.1	ug/Kg	*		04/07/15 18:15	1
Vinyl chloride	<6.6		6.6	1.4	ug/Kg	*		04/07/15 18:15	1
Xylenes, Total	<13		13	0.59	ug/Kg	*		04/07/15 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122		04/07/15 18:15	1
Dibromofluoromethane	102		75 - 120		04/07/15 18:15	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134		04/07/15 18:15	1
Toluene-d8 (Surr)	100		75 - 122		04/07/15 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	*	04/08/15 07:08	04/10/15 16:15	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	*	04/08/15 07:08	04/10/15 16:15	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	*	04/08/15 07:08	04/10/15 16:15	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	*	04/08/15 07:08	04/10/15 16:15	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	*	04/08/15 07:08	04/10/15 16:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: BP2(0-1)-040615

Lab Sample ID: 500-94236-4

Date Collected: 04/06/15 14:00

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2,4-Dinitrophenol	<840		840	740	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2-Methylnaphthalene	<41		41	7.7	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2-Methylphenol	<210		210	67	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
2-Nitrophenol	<410		410	99	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
4,6-Dinitro-2-methylphenol	<410		410	340	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Anthracene	26	J	41	7.0	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Benzo[a]anthracene	200		41	5.6	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Benzo[a]pyrene	240		41	8.1	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Benzo[b]fluoranthene	380		41	9.0	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Benzo[g,h,i]perylene	220		41	13	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Benzo[k]fluoranthene	160		41	12	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Carbazole	<210		210	110	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Chrysene	260		41	11	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Dibenz(a,h)anthracene	47		41	8.1	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Dibenzofuran	<210		210	49	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Fluoranthene	470		41	7.7	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Fluorene	<41		41	5.9	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Hexachloroethane	<210		210	64	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: BP2(0-1)-040615

Lab Sample ID: 500-94236-4

Date Collected: 04/06/15 14:00

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	190		41	11	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Isophorone	<210		210	47	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Naphthalene	<41		41	6.4	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Nitrobenzene	<41		41	10	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Phenanthrene	160		41	5.8	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Phenol	<210		210	93	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Pyrene	430		41	8.3	ug/Kg	☼	04/08/15 07:08	04/10/15 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		35 - 137				04/08/15 07:08	04/10/15 16:15	1
2-Fluorobiphenyl	54		25 - 119				04/08/15 07:08	04/10/15 16:15	1
2-Fluorophenol	42		25 - 110				04/08/15 07:08	04/10/15 16:15	1
Nitrobenzene-d5	34		25 - 115				04/08/15 07:08	04/10/15 16:15	1
Phenol-d5	54		31 - 110				04/08/15 07:08	04/10/15 16:15	1
Terphenyl-d14	76		36 - 134				04/08/15 07:08	04/10/15 16:15	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		04/09/15 08:40	04/10/15 14:17	1
Barium	0.49	J	0.50	0.050	mg/L		04/09/15 08:40	04/10/15 14:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:40	04/10/15 14:17	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		04/09/15 08:40	04/10/15 14:17	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:17	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:17	1
Copper	0.013	J	0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:17	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:40	04/10/15 14:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:40	04/10/15 14:17	1
Manganese	0.15		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:17	1
Nickel	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:40	04/10/15 14:17	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:17	1
Zinc	0.068	J B	0.10	0.020	mg/L		04/09/15 08:40	04/10/15 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027	J	0.050	0.010	mg/L		04/10/15 08:20	04/11/15 03:19	1
Barium	0.41	J	0.50	0.050	mg/L		04/10/15 08:20	04/11/15 03:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:20	04/11/15 03:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:20	04/11/15 03:19	1
Chromium	0.093		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:19	1
Cobalt	0.023	J	0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:19	1
Copper	0.087		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:19	1
Iron	96		0.20	0.20	mg/L		04/10/15 08:20	04/11/15 03:19	1
Lead	0.11		0.0075	0.0075	mg/L		04/10/15 08:20	04/11/15 03:19	1
Manganese	0.65		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:19	1
Nickel	0.084		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:19	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:20	04/11/15 03:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: BP2(0-1)-040615

Lab Sample ID: 500-94236-4

Date Collected: 04/06/15 14:00

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:19	1
Zinc	0.34		0.10	0.020	mg/L		04/10/15 08:20	04/11/15 03:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Arsenic	5.7		0.61	0.28	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Barium	91		0.61	0.11	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Beryllium	0.70		0.24	0.053	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Cadmium	0.38		0.12	0.035	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Calcium	17000		12	3.9	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Chromium	22		0.61	0.10	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Cobalt	9.6		0.30	0.069	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Copper	26		0.61	0.13	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Iron	18000		12	4.7	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Lead	96		0.30	0.15	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Magnesium	11000 B		6.1	2.5	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Manganese	330		0.61	0.12	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Nickel	23		0.61	0.16	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Potassium	2000		30	5.0	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Selenium	0.33 J		0.61	0.30	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Silver	<0.30		0.30	0.071	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Sodium	590		61	8.0	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Thallium	<0.61		0.61	0.30	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Vanadium	25		0.30	0.089	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1
Zinc	110		1.2	0.38	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	42		20	7.1	ug/Kg	⊛	04/08/15 14:00	04/09/15 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.68		0.200	0.200	SU			04/08/15 14:57	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery exceeds the control limits
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

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TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.



500-94236 COC

Report To (optional)
Contact: Andris Stesen
Company: Weston Solutions
Address: 300 Circle Plaza
Address: Mundelein IL
Phone:
Fax:
E-Mail: Andris.Stesen@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94236
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 36, 4.0

Client		Client Project #		Preservative		Parameter												Preservative Key			
Weston Solutions		013																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other			
Project Name		Lab Project #		Sampling		# of Containers		Matrix		VOCs		SVOCs		Total Metals		TCLP/SPLP metals		PH		Comments	
IDOT 013				Date	Time																
Project Location/State		Lab Project #																			
Arlington Heights / IL																					
Sampler		Lab PM																			
Jonathan Colomb																					
Lab ID	MS/MSD	Sample ID		Date	Time	# of Containers	Matrix														
1		CB11(0-6)-040615		4/6	1320	2	S	X	X	X	X	X									
2		CB11(6-13)-040615		4/6	1330	2	S														
3		MCI(0-1)-040615		4/6	1340	2	S														
4		BP2(0-1)-040615		4/6	1400	2	S														
5		BPI(0-6)-040615		4/6	1420	2	S														
6		BPI(0-6)-040615D		4/6	1420	2	S														
7		BPI(6-13)-040615		4/6	1430	2	S														
8		ANI(0-6)-040615		4/6	1450	2	S														
9		ANI(6-13)-040615		4/6	1500	2	S														

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days 7 Days ___ 10 Days ___ 15 Days ___ Other

Requested Due Date _____

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

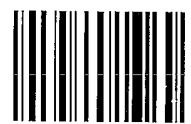
Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>4/6/15</u> Time: <u>1630</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/6/15</u> Time: <u>1630</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/7/15</u> Time: <u>950</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRT</u> Date: <u>4/7/15</u> Time: <u>0950</u>	Shipped: _____

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:

Elmhurst



503325 4/14/2015



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 343: IL 68 from Kennicott Ave to N. Wilke Rd Office Phone Number, if available: _____

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

1515 - 1519 W. Dundee Road (ISGS Site No. 2634-18)

City: Arlington Heights State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.138749786 Longitude: -88.000137977
(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 343: IL 68 from Kennicott Ave to N. Wilke Rd

Latitude: 42.138749786 Longitude: -88.000137977

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 CB2-1 AND CB2-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2634-18. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94235-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

William F. Karlovitz, P.E.

Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

15 June 2015

Date:



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

Summary Table of ISGS Site No. 2634-18
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Field Sample ID	CB2-1(0-6)-040615	CB2-1(0-6)-040615D	CB2-1(6-13)-040615	CB2-2(0-1)-040615	Soil Reference Concentrations ^A
Sample Date	4/6/2015	4/6/2015	4/6/2015	4/6/2015	
Location ID	CB2-1	CB2-1	CB2-1	CB2-2	
Depth	0 - 6	0 - 6	6 - 13	0 - 1	
ISGS Site No.	2634-18	2634-18	2634-18	2634-18	
Parameter					
Laboratory pH (s.u.)	8.95	8.71	8.38	8.8	<6.25,>9.0
VOCs (ug/kg)					
Acetone	ND	ND	13	ND	25000
SVOCs (ug/kg)					
Anthracene	15 J	ND	ND	ND	1.20E+07
Benzo(a)anthracene	60	19 J	46	27 J	900 / 1100 / 1800
Benzo(a)pyrene	53	21 J	57	30 J	90 / 1300 / 2100
Benzo(b)fluoranthene	74 J	29 J	81	49	900 / 1500 / 2100
Benzo(g,h,i)perylene	50	24 J	62	25 J	---
Benzo(k)fluoranthene	38 J	12 J	48	19 J	9000
Chrysene	63	20 J	71	37 J	88000
Fluoranthene	130 J	31 J	120	62	3100000
Indeno(1,2,3-cd)pyrene	37 J	16 J	46	21 J	900 / 900 / 1600
Phenanthrene	62	12 J	53	23 J	---
Pyrene	100 J	28 J	96	50	2300000
Total Metals (mg/kg)					
Antimony, Total	0.49 J	0.5 J	0.5 J	0.47 J	5
Arsenic, Total	6.9 J	5.8 J	7.8 J	8 J	11.3 / 13
Barium, Total	62	70	28	71	1500
Beryllium, Total	0.66	0.81	0.48	0.74	22
Cadmium, Total	0.55 J-	0.46 J-	0.53 J-	0.37 J-	5.2
Calcium, Total	28000 J	44000 J	55000 J	26000 J	---
Chromium, Total	19 J-	22 J-	13 J-	20 J-	21
Cobalt, Total	7.9 J	10 J	7.5 J	10 J	20
Copper, Total	23 J-	20 J-	25 J-	22 J-	2900
Iron, Total	19000 J	21000 J	19000 J	22000 J	15000 / 15900
Lead, Total	64 J	10 J	12 J	27 J	107
Magnesium, Total	18000 J	26000 J	35000 J	17000 J	325000
Manganese, Total	370 J+	460 J+	510 J+	570 J+	630 / 636
Mercury, Total	0.032	0.025	0.026	0.038	0.89
Nickel, Total	19 J	26 J	21 J	24 J	100
Potassium, Total	2300 J+	3400 J+	2600 J+	2600 J+	---
Silver, Total	ND	ND	ND	0.16 J	4.4
Sodium, Total	2700 J	1100 J	1200	380	---
Vanadium, Total	25	28	17	28	550
Zinc, Total	64 J	40 J	52 J	52 J	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.4 J	0.44 J	0.24 J	0.37 J	2
Cadmium, TCLP	0.0027 J	0.0025 J	0.0031 J	ND	0.005
Cobalt, TCLP	0.014 J	0.016 J	ND	ND	1
Chromium, TCLP	ND	ND	ND	ND	0.1
Copper, TCLP	ND	ND	ND	0.011 J	0.65
Manganese, TCLP	4.6	5.8	1.4	0.018 J	0.15
Iron, TCLP	ND	ND	ND	ND	5
Nickel, TCLP	0.01 J	0.015 J	0.011 J	ND	0.1
Zinc, TCLP	0.03 J	0.038 J	0.027 J	0.065 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.081	0.075	0.027 J	0.026 J	0.05
Barium, SPLP	0.78	0.78	0.21 J	0.31 J	2
Beryllium, SPLP	0.0077	0.0074	ND	ND	0.004
Chromium, SPLP	0.21	0.2	0.058	0.075	0.1
Cobalt, SPLP	0.066	0.07	0.026	0.017 J	1
Copper, SPLP	0.23	0.21	0.089	0.087	0.65
Iron, SPLP	210 J+	200 J+	65 J+	75 J+	5
Lead, SPLP	0.19	0.12	0.032	0.044	0.0075
Manganese, SPLP	1.6	2	0.6	0.43	0.15
Mercury, SPLP	0.0003	0.0003	ND	ND	0.002
Nickel, SPLP	0.21	0.22	0.078	0.077	0.1
Zinc, SPLP	0.58	0.49	0.24	0.23	5

Summary Table of ISGS Site No. 2634-18
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

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: 500-94235-1
Client Project/Site: IDOT - Arlington Heights - WO 013

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

Attn: Mr. S. Babusukumar



Authorized for release by:
4/14/2015 3:07:26 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB22(0-1)-040615

Lab Sample ID: 500-94235-14

Date Collected: 04/06/15 11:25

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 82.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/08/15 20:14	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/08/15 20:14	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/08/15 20:14	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/08/15 20:14	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/08/15 20:14	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/08/15 20:14	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/08/15 20:14	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/08/15 20:14	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/08/15 20:14	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/08/15 20:14	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/08/15 20:14	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/08/15 20:14	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/08/15 20:14	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/08/15 20:14	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/08/15 20:14	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/08/15 20:14	1
1,1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/08/15 20:14	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/08/15 20:14	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/08/15 20:14	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/08/15 20:14	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/08/15 20:14	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/08/15 20:14	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/08/15 20:14	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/08/15 20:14	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/08/15 20:14	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/08/15 20:14	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/08/15 20:14	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/08/15 20:14	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/08/15 20:14	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/08/15 20:14	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/08/15 20:14	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/08/15 20:14	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/08/15 20:14	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/08/15 20:14	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/08/15 20:14	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/08/15 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		04/08/15 20:14	1
Dibromofluoromethane	102		75 - 120		04/08/15 20:14	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134		04/08/15 20:14	1
Toluene-d8 (Surr)	98		75 - 122		04/08/15 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB22(0-1)-040615

Lab Sample ID: 500-94235-14

Date Collected: 04/06/15 11:25

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2-Methylphenol	<200		200	65	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Anthracene	<40		40	6.7	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Benzo[a]anthracene	27 J		40	5.4	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Benzo[a]pyrene	30 J		40	7.8	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Benzo[b]fluoranthene	49		40	8.7	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Benzo[g,h,i]perylene	25 J		40	13	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Benzo[k]fluoranthene	19 J		40	12	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Carbazole	<200		200	100	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Chrysene	37 J		40	11	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Fluoranthene	62		40	7.5	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Fluorene	<40		40	5.7	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Hexachlorobenzene	<81		81	9.4	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB22(0-1)-040615

Lab Sample ID: 500-94235-14

Date Collected: 04/06/15 11:25

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	21	J	40	10	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Isophorone	<200		200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Naphthalene	<40		40	6.2	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Phenanthrene	23	J	40	5.6	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Phenol	<200		200	90	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Pyrene	50		40	8.0	ug/Kg	☼	04/08/15 07:04	04/10/15 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		35 - 137				04/08/15 07:04	04/10/15 16:47	1
2-Fluorobiphenyl	49		25 - 119				04/08/15 07:04	04/10/15 16:47	1
2-Fluorophenol	43		25 - 110				04/08/15 07:04	04/10/15 16:47	1
Nitrobenzene-d5	39		25 - 115				04/08/15 07:04	04/10/15 16:47	1
Phenol-d5	40		31 - 110				04/08/15 07:04	04/10/15 16:47	1
Terphenyl-d14	65		36 - 134				04/08/15 07:04	04/10/15 16:47	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/15 08:00	04/10/15 16:47	1
Barium	0.37	J	0.50	0.050	mg/L		04/09/15 08:00	04/10/15 16:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 16:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 16:47	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:47	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:47	1
Copper	0.011	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:47	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 16:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 16:47	1
Manganese	0.018	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:47	1
Nickel	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:47	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 16:47	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:47	1
Zinc	0.065	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		04/10/15 08:50	04/11/15 06:57	1
Barium	0.31	J	0.50	0.050	mg/L		04/10/15 08:50	04/11/15 06:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 06:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 06:57	1
Chromium	0.075		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:57	1
Cobalt	0.017	J	0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:57	1
Copper	0.087		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:57	1
Iron	75		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 06:57	1
Lead	0.044		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 06:57	1
Manganese	0.43		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:57	1
Nickel	0.077		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:57	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 06:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB22(0-1)-040615

Lab Sample ID: 500-94235-14

Date Collected: 04/06/15 11:25

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:57	1
Zinc	0.23		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 06:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.47	J	1.1	0.24	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Arsenic	8.0		0.57	0.26	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Barium	71		0.57	0.10	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Beryllium	0.74		0.23	0.049	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Cadmium	0.37		0.11	0.033	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Calcium	26000		11	3.7	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Chromium	20		0.57	0.098	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Cobalt	10		0.28	0.064	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Copper	22		0.57	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Iron	22000		11	4.4	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Lead	27		0.28	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Magnesium	17000		5.7	2.3	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Manganese	570		0.57	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Nickel	24		0.57	0.15	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Potassium	2600		28	4.6	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Silver	0.16	J	0.28	0.066	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Sodium	380		57	7.5	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	04/07/15 15:59	04/09/15 18:48	1
Vanadium	28		0.28	0.083	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1
Zinc	52		1.1	0.36	mg/Kg	☼	04/07/15 15:59	04/08/15 14:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	38		19	6.6	ug/Kg	☼	04/08/15 14:00	04/09/15 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.80		0.200	0.200	SU			04/08/15 14:40	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(0-6)-040615

Lab Sample ID: 500-94235-15

Date Collected: 04/06/15 11:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 81.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/09/15 11:45	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		04/09/15 11:45	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/09/15 11:45	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/09/15 11:45	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	☼		04/09/15 11:45	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	☼		04/09/15 11:45	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/09/15 11:45	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/09/15 11:45	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/09/15 11:45	1
Chloroform	<6.1		6.1	0.71	ug/Kg	☼		04/09/15 11:45	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/09/15 11:45	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		04/09/15 11:45	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/09/15 11:45	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/09/15 11:45	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		04/09/15 11:45	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/09/15 11:45	1
1,1,1-Dichloroethane	<6.1		6.1	0.99	ug/Kg	☼		04/09/15 11:45	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		04/09/15 11:45	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/09/15 11:45	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/09/15 11:45	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/09/15 11:45	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		04/09/15 11:45	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/09/15 11:45	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/09/15 11:45	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/09/15 11:45	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/09/15 11:45	1
1,1,1,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/09/15 11:45	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		04/09/15 11:45	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		04/09/15 11:45	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/09/15 11:45	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/09/15 11:45	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	☼		04/09/15 11:45	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	☼		04/09/15 11:45	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/09/15 11:45	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/09/15 11:45	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/09/15 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		04/09/15 11:45	1
Dibromofluoromethane	99		75 - 120		04/09/15 11:45	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		04/09/15 11:45	1
Toluene-d8 (Surr)	100		75 - 122		04/09/15 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(0-6)-040615

Lab Sample ID: 500-94235-15

Date Collected: 04/06/15 11:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
4-Chloroaniline	<790		790	190	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Anthracene	15	J	39	6.6	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Benzo[a]anthracene	60		39	5.3	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Benzo[a]pyrene	53		39	7.6	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Benzo[b]fluoranthene	74		39	8.5	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Benzo[g,h,i]perylene	50		39	13	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Benzo[k]fluoranthene	38	J	39	12	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Carbazole	<200		200	100	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Chrysene	63		39	11	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Fluoranthene	130		39	7.3	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(0-6)-040615

Lab Sample ID: 500-94235-15

Date Collected: 04/06/15 11:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	37	J	39	10	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Isophorone	<200		200	44	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Phenanthrene	62		39	5.5	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Phenol	<200		200	88	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Pyrene	100		39	7.8	ug/Kg	☼	04/08/15 07:04	04/10/15 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	52		35 - 137				04/08/15 07:04	04/10/15 18:51	1
<i>2-Fluorobiphenyl</i>	52		25 - 119				04/08/15 07:04	04/10/15 18:51	1
<i>2-Fluorophenol</i>	43		25 - 110				04/08/15 07:04	04/10/15 18:51	1
<i>Nitrobenzene-d5</i>	40		25 - 115				04/08/15 07:04	04/10/15 18:51	1
<i>Phenol-d5</i>	41		31 - 110				04/08/15 07:04	04/10/15 18:51	1
<i>Terphenyl-d14</i>	65		36 - 134				04/08/15 07:04	04/10/15 18:51	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		04/09/15 08:00	04/10/15 16:52	1
Barium	0.40	J	0.50	0.050	mg/L		04/09/15 08:00	04/10/15 16:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 16:52	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 16:52	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:52	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:52	1
Copper	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:52	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 16:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 16:52	1
Manganese	4.6		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:52	1
Nickel	0.010	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:52	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 16:52	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:52	1
Zinc	0.030	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.081		0.050	0.010	mg/L		04/10/15 08:50	04/11/15 07:03	1
Barium	0.78		0.50	0.050	mg/L		04/10/15 08:50	04/11/15 07:03	1
Beryllium	0.0077		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 07:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 07:03	1
Chromium	0.21		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:03	1
Cobalt	0.066		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:03	1
Copper	0.23		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:03	1
Iron	210		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 07:03	1
Lead	0.19		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 07:03	1
Manganese	1.6		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:03	1
Nickel	0.21		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 07:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(0-6)-040615

Lab Sample ID: 500-94235-15

Date Collected: 04/06/15 11:35

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:03	1
Zinc	0.58		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 07:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J	1.2	0.24	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Arsenic	6.9		0.59	0.27	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Barium	62		0.59	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Beryllium	0.66		0.23	0.051	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Cadmium	0.55		0.12	0.034	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Calcium	28000		12	3.8	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Chromium	19		0.59	0.10	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Cobalt	7.9		0.29	0.066	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Copper	23		0.59	0.13	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Iron	19000		12	4.5	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Lead	64		0.29	0.15	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Magnesium	18000		5.9	2.4	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Manganese	370		0.59	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Nickel	19		0.59	0.16	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Potassium	2300		29	4.8	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Sodium	2700		59	7.7	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	04/07/15 15:59	04/09/15 18:53	1
Vanadium	25		0.29	0.086	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1
Zinc	64		1.2	0.37	mg/Kg	☼	04/07/15 15:59	04/08/15 14:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.33		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		20	7.0	ug/Kg	☼	04/08/15 14:00	04/09/15 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.95		0.200	0.200	SU			04/08/15 14:43	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(0-6)-040615D

Lab Sample ID: 500-94235-16

Date Collected: 04/06/15 11:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 82.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	*		04/08/15 21:04	1
Benzene	<6.0		6.0	0.83	ug/Kg	*		04/08/15 21:04	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	*		04/08/15 21:04	1
Bromoform	<6.0		6.0	1.4	ug/Kg	*		04/08/15 21:04	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	*		04/08/15 21:04	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	*		04/08/15 21:04	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	*		04/08/15 21:04	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	*		04/08/15 21:04	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	*		04/08/15 21:04	1
Chloroform	<6.0		6.0	0.70	ug/Kg	*		04/08/15 21:04	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	*		04/08/15 21:04	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	*		04/08/15 21:04	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	*		04/08/15 21:04	1
Dibromochloromethane	<6.0		6.0	1.1	ug/Kg	*		04/08/15 21:04	1
1,1-Dichloroethane	<6.0		6.0	0.96	ug/Kg	*		04/08/15 21:04	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	*		04/08/15 21:04	1
1,1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	*		04/08/15 21:04	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	*		04/08/15 21:04	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	*		04/08/15 21:04	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	*		04/08/15 21:04	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	*		04/08/15 21:04	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	*		04/08/15 21:04	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	*		04/08/15 21:04	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	*		04/08/15 21:04	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	*		04/08/15 21:04	1
Styrene	<6.0		6.0	0.79	ug/Kg	*		04/08/15 21:04	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	*		04/08/15 21:04	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	*		04/08/15 21:04	1
Toluene	<6.0		6.0	0.85	ug/Kg	*		04/08/15 21:04	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	*		04/08/15 21:04	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	*		04/08/15 21:04	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	*		04/08/15 21:04	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	*		04/08/15 21:04	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	*		04/08/15 21:04	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	*		04/08/15 21:04	1
Xylenes, Total	<12		12	0.55	ug/Kg	*		04/08/15 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		04/08/15 21:04	1
Dibromofluoromethane	101		75 - 120		04/08/15 21:04	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		04/08/15 21:04	1
Toluene-d8 (Surr)	98		75 - 122		04/08/15 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	*	04/08/15 07:04	04/10/15 19:12	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	*	04/08/15 07:04	04/10/15 19:12	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	*	04/08/15 07:04	04/10/15 19:12	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	*	04/08/15 07:04	04/10/15 19:12	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	*	04/08/15 07:04	04/10/15 19:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(0-6)-040615D

Lab Sample ID: 500-94235-16

Date Collected: 04/06/15 11:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2-Methylphenol	<200		200	62	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Benzo[a]anthracene	19 J		39	5.2	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Benzo[a]pyrene	21 J		39	7.5	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Benzo[b]fluoranthene	29 J		39	8.4	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Benzo[g,h,i]perylene	24 J		39	13	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Benzo[k]fluoranthene	12 J		39	11	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Carbazole	<200		200	100	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Chrysene	20 J		39	11	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Fluoranthene	31 J		39	7.2	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(0-6)-040615D

Lab Sample ID: 500-94235-16

Date Collected: 04/06/15 11:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	16	J	39	10	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Isophorone	<200		200	44	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Pentachlorophenol	<790		790	620	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Phenanthrene	12	J	39	5.4	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Phenol	<200		200	86	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Pyrene	28	J	39	7.7	ug/Kg	☼	04/08/15 07:04	04/10/15 19:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	58		35 - 137				04/08/15 07:04	04/10/15 19:12	1
2-Fluorobiphenyl	60		25 - 119				04/08/15 07:04	04/10/15 19:12	1
2-Fluorophenol	54		25 - 110				04/08/15 07:04	04/10/15 19:12	1
Nitrobenzene-d5	48		25 - 115				04/08/15 07:04	04/10/15 19:12	1
Phenol-d5	51		31 - 110				04/08/15 07:04	04/10/15 19:12	1
Terphenyl-d14	79		36 - 134				04/08/15 07:04	04/10/15 19:12	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/15 08:00	04/10/15 16:57	1
Barium	0.44	J	0.50	0.050	mg/L		04/09/15 08:00	04/10/15 16:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 16:57	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 16:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:57	1
Cobalt	0.016	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:57	1
Copper	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:57	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 16:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 16:57	1
Manganese	5.8		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:57	1
Nickel	0.015	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:57	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 16:57	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:57	1
Zinc	0.038	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075		0.050	0.010	mg/L		04/10/15 08:50	04/11/15 07:09	1
Barium	0.78		0.50	0.050	mg/L		04/10/15 08:50	04/11/15 07:09	1
Beryllium	0.0074		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 07:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 07:09	1
Chromium	0.20		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:09	1
Cobalt	0.070		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:09	1
Copper	0.21		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:09	1
Iron	200		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 07:09	1
Lead	0.12		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 07:09	1
Manganese	2.0		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:09	1
Nickel	0.22		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 07:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(0-6)-040615D

Lab Sample ID: 500-94235-16

Date Collected: 04/06/15 11:35

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:09	1
Zinc	0.49		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 07:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	J	1.2	0.24	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Arsenic	5.8		0.58	0.27	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Barium	70		0.58	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Beryllium	0.81		0.23	0.050	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Cadmium	0.46		0.12	0.034	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Calcium	44000		12	3.7	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Chromium	22		0.58	0.10	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Cobalt	10		0.29	0.066	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Copper	20		0.58	0.13	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Iron	21000		12	4.5	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Lead	10		0.29	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Magnesium	26000		5.8	2.4	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Manganese	460		0.58	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Nickel	26		0.58	0.16	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Potassium	3400		29	4.7	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Sodium	1100		58	7.7	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	04/07/15 15:59	04/09/15 18:58	1
Vanadium	28		0.29	0.085	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1
Zinc	40		1.2	0.37	mg/Kg	☼	04/07/15 15:59	04/08/15 15:05	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.30		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		19	6.7	ug/Kg	☼	04/08/15 14:00	04/09/15 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.71		0.200	0.200	SU			04/09/15 13:51	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(6-13)-040615

Lab Sample ID: 500-94235-17

Date Collected: 04/06/15 11:45

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		5.8	2.5	ug/Kg	☼		04/08/15 21:30	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/08/15 21:30	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 21:30	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/08/15 21:30	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		04/08/15 21:30	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/08/15 21:30	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/08/15 21:30	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/08/15 21:30	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/08/15 21:30	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/08/15 21:30	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 21:30	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/08/15 21:30	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 21:30	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 21:30	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/08/15 21:30	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/08/15 21:30	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/08/15 21:30	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/08/15 21:30	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 21:30	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 21:30	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/08/15 21:30	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/08/15 21:30	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/08/15 21:30	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/08/15 21:30	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/08/15 21:30	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 21:30	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 21:30	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/08/15 21:30	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/08/15 21:30	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/08/15 21:30	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 21:30	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/08/15 21:30	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/08/15 21:30	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/08/15 21:30	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 21:30	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/08/15 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122		04/08/15 21:30	1
Dibromofluoromethane	99		75 - 120		04/08/15 21:30	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		04/08/15 21:30	1
Toluene-d8 (Surr)	97		75 - 122		04/08/15 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(6-13)-040615

Lab Sample ID: 500-94235-17

Date Collected: 04/06/15 11:45

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Anthracene	<38		38	6.3	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Benzo[a]anthracene	46		38	5.1	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Benzo[a]pyrene	57		38	7.3	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Benzo[b]fluoranthene	81		38	8.2	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Benzo[g,h,i]perylene	62		38	12	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Benzo[k]fluoranthene	48		38	11	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Carbazole	<190		190	98	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Chrysene	71		38	10	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Fluoranthene	120		38	7.0	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Fluorene	<38		38	5.3	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(6-13)-040615

Lab Sample ID: 500-94235-17

Date Collected: 04/06/15 11:45

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	46		38	9.8	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Isophorone	<190		190	43	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Naphthalene	<38		38	5.8	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Phenanthrene	53		38	5.3	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Phenol	<190		190	84	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Pyrene	96		38	7.5	ug/Kg	☼	04/08/15 07:04	04/10/15 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		35 - 137				04/08/15 07:04	04/10/15 19:32	1
2-Fluorobiphenyl	60		25 - 119				04/08/15 07:04	04/10/15 19:32	1
2-Fluorophenol	52		25 - 110				04/08/15 07:04	04/10/15 19:32	1
Nitrobenzene-d5	48		25 - 115				04/08/15 07:04	04/10/15 19:32	1
Phenol-d5	47		31 - 110				04/08/15 07:04	04/10/15 19:32	1
Terphenyl-d14	79		36 - 134				04/08/15 07:04	04/10/15 19:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/15 08:00	04/10/15 17:02	1
Barium	0.24	J	0.50	0.050	mg/L		04/09/15 08:00	04/10/15 17:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 17:02	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 17:02	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 17:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 17:02	1
Copper	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 17:02	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 17:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 17:02	1
Manganese	1.4		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 17:02	1
Nickel	0.011	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 17:02	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 17:02	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 17:02	1
Zinc	0.027	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027	J	0.050	0.010	mg/L		04/10/15 08:50	04/11/15 07:16	1
Barium	0.21	J	0.50	0.050	mg/L		04/10/15 08:50	04/11/15 07:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 07:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 07:16	1
Chromium	0.058		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:16	1
Cobalt	0.026		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:16	1
Copper	0.089		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:16	1
Iron	65		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 07:16	1
Lead	0.032		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 07:16	1
Manganese	0.60		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:16	1
Nickel	0.078		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:16	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 07:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: CB21(6-13)-040615

Lab Sample ID: 500-94235-17

Date Collected: 04/06/15 11:45

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 07:16	1
Zinc	0.24		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 07:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	J	1.1	0.23	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Arsenic	7.8		0.56	0.26	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Barium	28		0.56	0.10	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Beryllium	0.48		0.22	0.049	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Cadmium	0.53		0.11	0.033	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Calcium	55000		11	3.6	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Chromium	13		0.56	0.097	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Cobalt	7.5		0.28	0.064	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Copper	25		0.56	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Iron	19000		11	4.3	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Lead	12		0.28	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Magnesium	35000		5.6	2.3	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Manganese	510		0.56	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Nickel	21		0.56	0.15	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Potassium	2600		28	4.6	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Sodium	1200		56	7.4	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	04/07/15 15:59	04/09/15 19:03	1
Vanadium	17		0.28	0.082	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1
Zinc	52		1.1	0.36	mg/Kg	☼	04/07/15 15:59	04/08/15 15:12	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 15:29	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	26		19	6.5	ug/Kg	☼	04/08/15 14:00	04/09/15 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.38		0.200	0.200	SU			04/09/15 13:55	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery 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.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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



Report To (optional)
 Contact: Andras Sleser
 Company: Weston Solutions, Inc.
 Address: 300 Plaza Circle
Amundson / IL
 Phone: 224-864-7223
 Fax:
 E-Mail: Andras.Sleser@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94235
 Chain of Custody Number: _____
 Page 1 of 3
 Temperature °C of Cooler: (3.6) (4.0)

Client		Client Project #		Preservative		VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments						
Project Name		Lab Project #		Parameter													
Project Location/State		Lab Project #		Parameter		VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments						
Sampler		Lab PM		Parameter													
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments					
1		BRO2 (0-1) - 040615	4/6	0835	2	S							X	X	X	X	X
2		BRO3 (0-1) - 040615	4/6	0845	2	S	↓	↓	↓	↓	↓						
3		BRO4 (0-1) - 040615	4/6	0850	2	S											
4		BRO1 (0-6) - 040615	4/6	0915	2	S											
5		BRO1 (6-13) - 040615	4/6	0920	2	S											
6		BRO1 (6-13) - 040615D	4/6	0920	2	S											
7		I5 (0-6) - 040615	4/6	1000	2	S											
8		I5 (6-13) - 040615	4/6	1010	2	S											
9		I1 (0-1) - 040615	4/6	1020	2	S											
10		I2 (0-5) - 040615	4/6	1030	2	S											

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

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

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

Relinquished By <u>[Signature]</u> Company <u>WESTON</u> Date <u>4/6/15</u> Time <u>1630</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>4/6/15</u> Time <u>1630</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>4/7/15</u> Time <u>950</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>4/7/15</u> Time <u>0950</u>
Relinquished By Company Date Time	Received By Company Date Time

Lab Courier: TA
 Shipped: _____

- 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: _____

Elmhurst



503325

4/14/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Andris Stesiu
Company: Weston Solutions
Address: 300 Circle Plaza
Address: Mundelein IL
Phone: _____
Fax: _____
E-Mail: Andris.Stesiu@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94235
Chain of Custody Number: _____
Page 2 of 3
Temperature °C of Cooler: (3.6) (4.0)

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions										Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
DOT 013											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
Arlington Heights / IL		Jonathan Colomb									
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
Jonathan Colomb											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP / SPLP metals	pH
11		13 (0-5) - 040615	4/6	1035	2 S	S	X	X	X	X	X
12		14 (0-6) - 040615	4/6	1105	2 S	S					
13		14 (6-13) - 040615	4/6	1115	2 S	S					
14		CB22(0-1) - 040615	4/6	1125	2 S	S					
15		CB21(0-6) - 040615	4/6	1135	2 S	S					
16		CB21(0-6) - 040615D	4/6	1135	2 S	S					
17		CB21(6-13) - 040615	4/6	1145	2 S	S					
18		VB01 (0-5) - 040615	4/6	1240	2 S	S					
19		VB02 (0-6) - 040615	4/6	1250	2 S	S					
20		VB02 (6-13) - 040615	4/6	1300	2 S	S					

Turnaround Time Required (Business Days)

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

Sample Disposal

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

Relinquished By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>4/6/15</u> Time: <u>1630</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/6/15</u> Time: <u>1630</u>
Relinquished By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>4/7/15</u> Time: <u>950</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/7/15</u> Time: <u>0950</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: JA

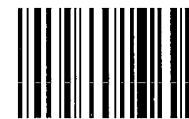
Shipped: _____

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:

Elmhurst



503325



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 343: IL 68 from Kennicott Ave to N. Wilke Rd Office Phone Number, if available: _____

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

1500 block of W. Dundee Road (ISGS Site No. 2634-19)

City: Arlington Heights State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.139007289 Longitude: -88.001296581
(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 343: IL 68 from Kennicott Ave to N. Wilke RdLatitude: 42.139007289 Longitude: -88.001296581Uncontaminated 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 I-1 THROUGH I-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2634-19. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94235-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Plaza Circle, Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: 224-864-7267

William F. Karlovitz, P.E.

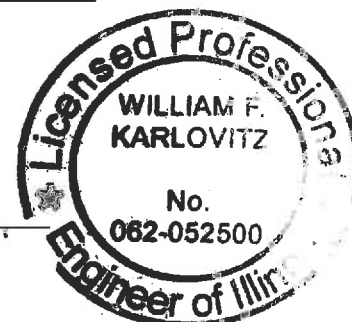
Printed Name:

William F. Karlovitz

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

15 June 2015

Date:



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

Summary Table of ISGS Site No. 2634-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Field Sample ID	I-1(0-1)-040615	I-2(0-5)-040615	I-3(0-5)-040615	Soil Reference Concentrations ^A
Sample Date	4/6/2015	4/6/2015	4/6/2015	
Location ID	I-1	I-2	I-3	
Depth	0 - 1	0 - 5	0 - 5	
ISGS Site No.	2634-19	2634-19	2634-19	
Parameter				
Laboratory pH (s.u.)	8.84	7.88	8.04	<6.25,>9.0
VOCs (ug/kg)				
Acetone	ND	24	9.1	25000
SVOCs (ug/kg)				
Benzo(a)anthracene	220 J	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	300 J	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	540	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	470	ND	ND	---
Benzo(k)fluoranthene	180 J	ND	ND	9000
Chrysene	330 J	ND	ND	88000
Fluoranthene	480	ND	ND	3100000
Indeno(1,2,3-cd)pyrene	330 J	ND	ND	900 / 900 / 1600
Phenanthrene	180 J	ND	11 J	---
Pyrene	410	ND	ND	2300000
Total Metals (mg/kg)				
Antimony, Total	ND	0.44 J	0.47 J	5
Arsenic, Total	2.1 J	8.9 J	7.5 J	11.3 / 13
Barium, Total	28	38	42	1500
Beryllium, Total	0.42 J	0.55	0.53	22
Cadmium, Total	0.8 J-	0.39 J-	0.38 J-	5.2
Calcium, Total	200000 J	48000 J	44000 J	---
Chromium, Total	20 J-	15 J-	15 J-	21
Cobalt, Total	3.2 J	9.7 J	9.4 J	20
Copper, Total	45 J-	26 J-	25 J-	2900
Iron, Total	11000 J	19000 J	18000 J	15000 / 15900
Lead, Total	71 J	12 J	12 J	107
Magnesium, Total	93000 J	31000 J	29000 J	325000
Manganese, Total	420 J+	590 J+	450 J+	630 / 636
Mercury, Total	0.012 J	0.045	0.029	0.89
Nickel, Total	8.9 J	23 J	23 J	100
Potassium, Total	1200 J+	2600 J+	2500 J+	---
Selenium, Total	1.4 J	ND	ND	1.3
Thallium, Total	ND	0.31 J	ND	2.6
Vanadium, Total	16	20	19	550
Zinc, Total	120 J	43 J	43 J	5100
TCLP Metals (mg/l)				
Barium, TCLP	0.17 J	0.52	0.59	2
Cadmium, TCLP	0.0036 J	0.003 J	0.0024 J	0.005
Cobalt, TCLP	0.022 J	0.018 J	0.018 J	1
Copper, TCLP	0.02 J	ND	ND	0.65
Iron, TCLP	ND	ND	0.23	5
Lead, TCLP	0.015	ND	ND	0.0075
Manganese, TCLP	1.8	8	4.2	0.15
Nickel, TCLP	0.023 J	0.014 J	0.017 J	0.1
Selenium, SPLP	ND	ND	ND	0.05
Zinc, TCLP	0.47	0.024 J	0.03 J	5
SPLP Metals (mg/l)				
Arsenic, SPLP	ND	ND	0.05	0.05
Barium, SPLP	ND	0.21 J	0.36 J	2
Beryllium, SPLP	ND	ND	0.0041	0.004
Chromium, SPLP	0.01 J	0.036	0.11	0.1
Cobalt, SPLP	ND	0.015 J	0.064	1
Copper, SPLP	0.021 J	0.054	0.17	0.65
Iron, SPLP	3.3 J+	35 J+	110 J+	5
Lead, SPLP	0.03	0.023	0.082	0.0075
Manganese, SPLP	0.055	0.75	1.4	0.15
Nickel, SPLP	ND	0.042	0.16	0.1
Selenium, SPLP	ND	ND	ND	0.05
Zinc, SPLP	0.076 J	0.11	0.29	5

Summary Table of ISGS Site No. 2634-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Notes:

--- - not applicable or value not available.


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

ND - Constituent not detected above the reporting limit.

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: 500-94235-1

Client Project/Site: IDOT - Arlington Heights - WO 013

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
4/14/2015 3:07:26 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I1(0-1)-040615

Lab Sample ID: 500-94235-9

Date Collected: 04/06/15 10:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 93.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.3	ug/Kg	*		04/08/15 21:22	1
Benzene	<5.4		5.4	0.74	ug/Kg	*		04/08/15 21:22	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	*		04/08/15 21:22	1
Bromoform	<5.4		5.4	1.2	ug/Kg	*		04/08/15 21:22	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	*		04/08/15 21:22	1
Carbon disulfide	<5.4		5.4	0.80	ug/Kg	*		04/08/15 21:22	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg	*		04/08/15 21:22	1
Chlorobenzene	<5.4		5.4	0.54	ug/Kg	*		04/08/15 21:22	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	*		04/08/15 21:22	1
Chloroform	<5.4		5.4	0.62	ug/Kg	*		04/08/15 21:22	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	*		04/08/15 21:22	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	*		04/08/15 21:22	1
cis-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg	*		04/08/15 21:22	1
Dibromochloromethane	<5.4		5.4	0.93	ug/Kg	*		04/08/15 21:22	1
1,1-Dichloroethane	<5.4		5.4	0.85	ug/Kg	*		04/08/15 21:22	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	*		04/08/15 21:22	1
1,1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg	*		04/08/15 21:22	1
1,2-Dichloropropane	<5.4		5.4	0.81	ug/Kg	*		04/08/15 21:22	1
1,3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg	*		04/08/15 21:22	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	*		04/08/15 21:22	1
2-Hexanone	<5.4		5.4	1.5	ug/Kg	*		04/08/15 21:22	1
Methylene Chloride	<5.4		5.4	1.4	ug/Kg	*		04/08/15 21:22	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	*		04/08/15 21:22	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	*		04/08/15 21:22	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	*		04/08/15 21:22	1
Styrene	<5.4		5.4	0.70	ug/Kg	*		04/08/15 21:22	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	*		04/08/15 21:22	1
Tetrachloroethene	<5.4		5.4	0.82	ug/Kg	*		04/08/15 21:22	1
Toluene	<5.4		5.4	0.75	ug/Kg	*		04/08/15 21:22	1
trans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg	*		04/08/15 21:22	1
trans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg	*		04/08/15 21:22	1
1,1,1-Trichloroethane	<5.4		5.4	0.80	ug/Kg	*		04/08/15 21:22	1
1,1,2-Trichloroethane	<5.4		5.4	0.73	ug/Kg	*		04/08/15 21:22	1
Trichloroethene	<5.4		5.4	0.89	ug/Kg	*		04/08/15 21:22	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg	*		04/08/15 21:22	1
Xylenes, Total	<11		11	0.49	ug/Kg	*		04/08/15 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		04/08/15 21:22	1
Dibromofluoromethane	111		75 - 120		04/08/15 21:22	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134		04/08/15 21:22	1
Toluene-d8 (Surr)	112		75 - 122		04/08/15 21:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1800		1800	380	ug/Kg	*	04/08/15 07:04	04/10/15 18:09	10
1,2-Dichlorobenzene	<1800		1800	420	ug/Kg	*	04/08/15 07:04	04/10/15 18:09	10
1,3-Dichlorobenzene	<1800		1800	400	ug/Kg	*	04/08/15 07:04	04/10/15 18:09	10
1,4-Dichlorobenzene	<1800		1800	450	ug/Kg	*	04/08/15 07:04	04/10/15 18:09	10
2,2'-oxybis[1-chloropropane]	<1800		1800	410	ug/Kg	*	04/08/15 07:04	04/10/15 18:09	10

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I1(0-1)-040615

Lab Sample ID: 500-94235-9

Date Collected: 04/06/15 10:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<3500		3500	810	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2,4,6-Trichlorophenol	<3500		3500	1200	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2,4-Dichlorophenol	<3500		3500	840	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2,4-Dimethylphenol	<3500		3500	1300	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2,4-Dinitrophenol	<7100		7100	6200	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2,4-Dinitrotoluene	<1800		1800	560	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2,6-Dinitrotoluene	<1800		1800	690	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2-Chloronaphthalene	<1800		1800	390	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2-Chlorophenol	<1800		1800	600	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2-Methylnaphthalene	<350		350	65	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2-Methylphenol	<1800		1800	570	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2-Nitroaniline	<1800		1800	480	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
2-Nitrophenol	<3500		3500	830	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
3 & 4 Methylphenol	<1800		1800	590	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
3,3'-Dichlorobenzidine	<1800		1800	490	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
3-Nitroaniline	<3500		3500	1100	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
4,6-Dinitro-2-methylphenol	<3500		3500	2800	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
4-Bromophenyl phenyl ether	<1800		1800	470	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
4-Chloro-3-methylphenol	<3500		3500	1200	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
4-Chloroaniline	<7100		7100	1700	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
4-Chlorophenyl phenyl ether	<1800		1800	410	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
4-Nitroaniline	<3500		3500	1500	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
4-Nitrophenol	<7100		7100	3400	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Acenaphthene	<350		350	63	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Acenaphthylene	<350		350	47	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Anthracene	<350		350	59	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Benzo[a]anthracene	220	J	350	48	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Benzo[a]pyrene	300	J	350	68	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Benzo[b]fluoranthene	540		350	76	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Benzo[g,h,i]perylene	470		350	110	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Benzo[k]fluoranthene	180	J	350	100	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Bis(2-chloroethoxy)methane	<1800		1800	360	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Bis(2-chloroethyl)ether	<1800		1800	530	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Bis(2-ethylhexyl) phthalate	<1800		1800	650	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Butyl benzyl phthalate	<1800		1800	670	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Carbazole	<1800		1800	910	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Chrysene	330	J	350	96	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Dibenz(a,h)anthracene	<350		350	68	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Dibenzofuran	<1800		1800	410	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Diethyl phthalate	<1800		1800	600	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Dimethyl phthalate	<1800		1800	460	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Di-n-butyl phthalate	<1800		1800	540	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Di-n-octyl phthalate	<1800		1800	580	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Fluoranthene	480		350	66	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Fluorene	<350		350	50	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Hexachlorobenzene	<710		710	82	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Hexachlorobutadiene	<1800		1800	560	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Hexachlorocyclopentadiene	<7100		7100	2000	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Hexachloroethane	<1800		1800	540	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I1(0-1)-040615

Lab Sample ID: 500-94235-9

Date Collected: 04/06/15 10:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	330	J	350	92	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Isophorone	<1800		1800	400	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Naphthalene	<350		350	54	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Nitrobenzene	<350		350	88	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
N-Nitrosodi-n-propylamine	<1800		1800	430	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
N-Nitrosodiphenylamine	<1800		1800	420	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Pentachlorophenol	<7100		7100	5700	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Phenanthrene	180	J	350	49	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Phenol	<1800		1800	780	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Pyrene	410		350	70	ug/Kg	☼	04/08/15 07:04	04/10/15 18:09	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		35 - 137				04/08/15 07:04	04/10/15 18:09	10
2-Fluorobiphenyl	79		25 - 119				04/08/15 07:04	04/10/15 18:09	10
2-Fluorophenol	70		25 - 110				04/08/15 07:04	04/10/15 18:09	10
Nitrobenzene-d5	66		25 - 115				04/08/15 07:04	04/10/15 18:09	10
Phenol-d5	53		31 - 110				04/08/15 07:04	04/10/15 18:09	10
Terphenyl-d14	89		36 - 134				04/08/15 07:04	04/10/15 18:09	10

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/15 08:00	04/10/15 16:13	1
Barium	0.17	J	0.50	0.050	mg/L		04/09/15 08:00	04/10/15 16:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 16:13	1
Cadmium	0.0036	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 16:13	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:13	1
Cobalt	0.022	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:13	1
Copper	0.020	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:13	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 16:13	1
Lead	0.015		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 16:13	1
Manganese	1.8		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:13	1
Nickel	0.023	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:13	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 16:13	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:13	1
Zinc	0.47		0.10	0.020	mg/L		04/09/15 08:00	04/10/15 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/15 08:50	04/11/15 06:11	1
Barium	<0.50		0.50	0.050	mg/L		04/10/15 08:50	04/11/15 06:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 06:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 06:11	1
Chromium	0.010	J	0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:11	1
Cobalt	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:11	1
Copper	0.021	J	0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:11	1
Iron	3.3		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 06:11	1
Lead	0.030		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 06:11	1
Manganese	0.055		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:11	1
Nickel	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:11	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 06:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I1(0-1)-040615

Lab Sample ID: 500-94235-9

Date Collected: 04/06/15 10:20

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:11	1
Zinc	0.076	J	0.10	0.020	mg/L		04/10/15 08:50	04/11/15 06:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.3		5.3	1.1	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Arsenic	2.1	J	2.6	1.2	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Barium	28		2.6	0.48	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Beryllium	0.42	J	1.1	0.23	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Cadmium	0.80		0.53	0.15	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Calcium	200000		110	34	mg/Kg	☼	04/07/15 15:59	04/10/15 17:22	10
Chromium	20		0.53	0.091	mg/Kg	☼	04/07/15 15:59	04/08/15 14:07	1
Cobalt	3.2		1.3	0.30	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Copper	45		2.6	0.57	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Iron	11000		53	20	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Lead	71		1.3	0.66	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Magnesium	93000		26	11	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Manganese	420		2.6	0.52	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Nickel	8.9		0.53	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 14:07	1
Potassium	1200		26	4.3	mg/Kg	☼	04/07/15 15:59	04/08/15 14:07	1
Selenium	1.4	J	2.6	1.3	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Silver	<1.3		1.3	0.31	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Sodium	1300		53	7.0	mg/Kg	☼	04/07/15 15:59	04/08/15 14:07	1
Thallium	<2.6		2.6	1.3	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Vanadium	16		1.3	0.39	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5
Zinc	120		5.3	1.7	mg/Kg	☼	04/07/15 15:59	04/09/15 18:11	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 15:10	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	12	J	16	5.6	ug/Kg	☼	04/08/15 14:00	04/09/15 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.84		0.200	0.200	SU			04/08/15 14:25	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I2(0-5)-040615

Lab Sample ID: 500-94235-10

Date Collected: 04/06/15 10:30

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 89.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	24		5.6	2.4	ug/Kg	☼		04/08/15 21:46	1
Benzene	<5.6		5.6	0.77	ug/Kg	☼		04/08/15 21:46	1
Bromodichloromethane	<5.6		5.6	0.97	ug/Kg	☼		04/08/15 21:46	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		04/08/15 21:46	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		04/08/15 21:46	1
Carbon disulfide	<5.6		5.6	0.84	ug/Kg	☼		04/08/15 21:46	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		04/08/15 21:46	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		04/08/15 21:46	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		04/08/15 21:46	1
Chloroform	<5.6		5.6	0.65	ug/Kg	☼		04/08/15 21:46	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		04/08/15 21:46	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		04/08/15 21:46	1
cis-1,3-Dichloropropene	<5.6		5.6	0.74	ug/Kg	☼		04/08/15 21:46	1
Dibromochloromethane	<5.6		5.6	0.98	ug/Kg	☼		04/08/15 21:46	1
1,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg	☼		04/08/15 21:46	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		04/08/15 21:46	1
1,1,1-Dichloroethene	<5.6		5.6	0.91	ug/Kg	☼		04/08/15 21:46	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		04/08/15 21:46	1
1,3-Dichloropropene, Total	<5.6		5.6	0.74	ug/Kg	☼		04/08/15 21:46	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		04/08/15 21:46	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		04/08/15 21:46	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		04/08/15 21:46	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		04/08/15 21:46	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		04/08/15 21:46	1
Methyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg	☼		04/08/15 21:46	1
Styrene	<5.6		5.6	0.74	ug/Kg	☼		04/08/15 21:46	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		04/08/15 21:46	1
Tetrachloroethene	<5.6		5.6	0.86	ug/Kg	☼		04/08/15 21:46	1
Toluene	<5.6		5.6	0.79	ug/Kg	☼		04/08/15 21:46	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		04/08/15 21:46	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		04/08/15 21:46	1
1,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg	☼		04/08/15 21:46	1
1,1,2-Trichloroethane	<5.6		5.6	0.77	ug/Kg	☼		04/08/15 21:46	1
Trichloroethene	<5.6		5.6	0.93	ug/Kg	☼		04/08/15 21:46	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		04/08/15 21:46	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		04/08/15 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		04/08/15 21:46	1
Dibromofluoromethane	107		75 - 120		04/08/15 21:46	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134		04/08/15 21:46	1
Toluene-d8 (Surr)	109		75 - 122		04/08/15 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I2(0-5)-040615

Lab Sample ID: 500-94235-10

Date Collected: 04/06/15 10:30

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Anthracene	<36		36	6.1	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Carbazole	<180		180	94	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Chrysene	<36		36	9.9	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Fluorene	<36		36	5.1	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I2(0-5)-040615

Lab Sample ID: 500-94235-10

Date Collected: 04/06/15 10:30

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Isophorone	<180		180	41	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Naphthalene	<36		36	5.6	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Phenol	<180		180	81	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Pyrene	<36		36	7.2	ug/Kg	☼	04/08/15 07:04	04/10/15 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		35 - 137				04/08/15 07:04	04/10/15 14:59	1
2-Fluorobiphenyl	57		25 - 119				04/08/15 07:04	04/10/15 14:59	1
2-Fluorophenol	49		25 - 110				04/08/15 07:04	04/10/15 14:59	1
Nitrobenzene-d5	47		25 - 115				04/08/15 07:04	04/10/15 14:59	1
Phenol-d5	47		31 - 110				04/08/15 07:04	04/10/15 14:59	1
Terphenyl-d14	75		36 - 134				04/08/15 07:04	04/10/15 14:59	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		04/09/15 08:00	04/10/15 16:18	1
Barium	0.52		0.50	0.050	mg/L		04/09/15 08:00	04/10/15 16:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 16:18	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 16:18	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:18	1
Cobalt	0.018	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:18	1
Copper	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:18	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 16:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 16:18	1
Manganese	8.0		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:18	1
Nickel	0.014	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:18	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 16:18	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:18	1
Zinc	0.024	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/15 08:50	04/11/15 06:17	1
Barium	0.21	J	0.50	0.050	mg/L		04/10/15 08:50	04/11/15 06:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 06:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 06:17	1
Chromium	0.036		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:17	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:17	1
Copper	0.054		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:17	1
Iron	35		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 06:17	1
Lead	0.023		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 06:17	1
Manganese	0.75		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:17	1
Nickel	0.042		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 06:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I2(0-5)-040615

Lab Sample ID: 500-94235-10

Date Collected: 04/06/15 10:30

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:17	1
Zinc	0.11		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 06:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.1	0.22	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Arsenic	8.9		0.53	0.25	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Barium	38		0.53	0.097	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Beryllium	0.55		0.21	0.046	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Cadmium	0.39		0.11	0.031	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Calcium	48000		11	3.4	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Chromium	15		0.53	0.091	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Cobalt	9.7		0.27	0.060	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Copper	26		0.53	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Iron	19000		11	4.1	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Lead	12		0.27	0.13	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Magnesium	31000		5.3	2.2	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Manganese	590		0.53	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Nickel	23		0.53	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Potassium	2600		27	4.3	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Sodium	570		53	7.0	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Thallium	0.31	J	0.53	0.26	mg/Kg	☼	04/07/15 15:59	04/09/15 18:16	1
Vanadium	20		0.27	0.078	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1
Zinc	43		1.1	0.34	mg/Kg	☼	04/07/15 15:59	04/08/15 14:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 15:11	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	45		19	6.5	ug/Kg	☼	04/08/15 14:00	04/09/15 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.88		0.200	0.200	SU			04/08/15 14:28	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I3(0-5)-040615

Lab Sample ID: 500-94235-11

Date Collected: 04/06/15 10:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 87.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.1		5.7	2.5	ug/Kg	☼		04/08/15 18:59	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		04/08/15 18:59	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/08/15 18:59	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/08/15 18:59	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/08/15 18:59	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		04/08/15 18:59	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/08/15 18:59	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/08/15 18:59	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		04/08/15 18:59	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/08/15 18:59	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/08/15 18:59	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/08/15 18:59	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/08/15 18:59	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/08/15 18:59	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/08/15 18:59	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/08/15 18:59	1
1,1,1-Dichloroethane	<5.7		5.7	0.93	ug/Kg	☼		04/08/15 18:59	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/08/15 18:59	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/08/15 18:59	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/08/15 18:59	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		04/08/15 18:59	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/08/15 18:59	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/08/15 18:59	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/08/15 18:59	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/08/15 18:59	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/08/15 18:59	1
1,1,1,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/08/15 18:59	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		04/08/15 18:59	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/08/15 18:59	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/08/15 18:59	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/08/15 18:59	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		04/08/15 18:59	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/08/15 18:59	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		04/08/15 18:59	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/08/15 18:59	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/08/15 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		04/08/15 18:59	1
Dibromofluoromethane	98		75 - 120		04/08/15 18:59	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134		04/08/15 18:59	1
Toluene-d8 (Surr)	100		75 - 122		04/08/15 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I3(0-5)-040615

Lab Sample ID: 500-94235-11

Date Collected: 04/06/15 10:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Anthracene	<37		37	6.2	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Carbazole	<190		190	96	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Chrysene	<37		37	10	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I3(0-5)-040615

Lab Sample ID: 500-94235-11

Date Collected: 04/06/15 10:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Isophorone	<190		190	42	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Phenanthrene	11	J	37	5.2	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Phenol	<190		190	83	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Pyrene	<37		37	7.4	ug/Kg	☼	04/08/15 07:04	04/10/15 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		35 - 137				04/08/15 07:04	04/10/15 15:21	1
2-Fluorobiphenyl	44		25 - 119				04/08/15 07:04	04/10/15 15:21	1
2-Fluorophenol	37		25 - 110				04/08/15 07:04	04/10/15 15:21	1
Nitrobenzene-d5	32		25 - 115				04/08/15 07:04	04/10/15 15:21	1
Phenol-d5	35		31 - 110				04/08/15 07:04	04/10/15 15:21	1
Terphenyl-d14	61		36 - 134				04/08/15 07:04	04/10/15 15:21	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		04/09/15 08:00	04/10/15 16:23	1
Barium	0.59		0.50	0.050	mg/L		04/09/15 08:00	04/10/15 16:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 16:23	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 16:23	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:23	1
Cobalt	0.018	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:23	1
Copper	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:23	1
Iron	0.23		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 16:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 16:23	1
Manganese	4.2		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:23	1
Nickel	0.017	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:23	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 16:23	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 16:23	1
Zinc	0.030	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.050		0.050	0.010	mg/L		04/10/15 08:50	04/11/15 06:23	1
Barium	0.36	J	0.50	0.050	mg/L		04/10/15 08:50	04/11/15 06:23	1
Beryllium	0.0041		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 06:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 06:23	1
Chromium	0.11		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:23	1
Cobalt	0.064		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:23	1
Copper	0.17		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:23	1
Iron	110		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 06:23	1
Lead	0.082		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 06:23	1
Manganese	1.4		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:23	1
Nickel	0.16		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:23	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 06:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: I3(0-5)-040615

Lab Sample ID: 500-94235-11

Date Collected: 04/06/15 10:35

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 06:23	1
Zinc	0.29		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 06:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.47	J	1.1	0.23	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Arsenic	7.5		0.54	0.25	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Barium	42		0.54	0.099	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Beryllium	0.53		0.22	0.047	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Cadmium	0.38		0.11	0.031	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Calcium	44000		11	3.5	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Chromium	15		0.54	0.093	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Cobalt	9.4		0.27	0.061	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Copper	25		0.54	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Iron	18000		11	4.2	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Lead	12		0.27	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Magnesium	29000		5.4	2.2	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Manganese	450		0.54	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Nickel	23		0.54	0.15	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Potassium	2500		27	4.4	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Sodium	1100		54	7.2	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	04/07/15 15:59	04/09/15 18:21	1
Vanadium	19		0.27	0.079	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1
Zinc	43		1.1	0.34	mg/Kg	☼	04/07/15 15:59	04/08/15 14:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 15:13	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	29		17	6.0	ug/Kg	☼	04/08/15 14:00	04/09/15 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.04		0.200	0.200	SU			04/08/15 14:31	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery 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.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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



Report To (optional)
 Contact: Andras Sleser
 Company: Weston Solutions, Inc.
 Address: 300 Plaza Circle
Amundson / IL
 Phone: 224-864-7223
 Fax:
 E-Mail: Andras.Sleser@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94235
 Chain of Custody Number: _____
 Page 1 of 3
 Temperature °C of Cooler: (3.6) (4.0)

Client		Client Project #		Preservative		VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments						
Project Name		Lab Project #		Parameter													
Project Location/State		Lab Project #		Parameter		VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments						
Sampler		Lab PM		Parameter													
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments					
1		BRO2 (0-1) - 040615	4/6	0835	2	S							X	X	X	X	X
2		BRO3 (0-1) - 040615	4/6	0845	2	S	↓	↓	↓	↓	↓						
3		BRO4 (0-1) - 040615	4/6	0850	2	S											
4		BRO1 (0-6) - 040615	4/6	0915	2	S											
5		BRO1 (6-13) - 040615	4/6	0920	2	S											
6		BRO1 (6-13) - 040615D	4/6	0920	2	S											
7		I5 (0-6) - 040615	4/6	1000	2	S											
8		I5 (6-13) - 040615	4/6	1010	2	S											
9		I1 (0-1) - 040615	4/6	1020	2	S											
10		I2 (0-5) - 040615	4/6	1030	2	S											

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

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

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

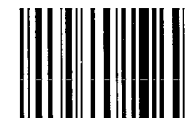
Relinquished By <u>[Signature]</u> Company <u>WESTON</u> Date <u>4/6/15</u> Time <u>1630</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>4/6/15</u> Time <u>1630</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>4/7/15</u> Time <u>950</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>4/7/15</u> Time <u>0950</u>
Relinquished By Company Date Time	Received By Company Date Time

Lab Courier: TA
 Shipped: _____

- 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:

Elmhurst



503325

4/14/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Andris Stew
Company: Weston Solutions
Address: 300 Circle Plaza
Address: Mundelein IL
Phone: _____
Fax: _____
E-Mail: Andris.Stew@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94235
Chain of Custody Number: _____
Page 2 of 3
Temperature °C of Cooler: (3.6) (4.0)

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions										Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
DOT 013											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
Arlington Heights / IL		Jonathan Colomb									
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
Jonathan Colomb											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP / SPLP metals	pH
11		13 (0-5) - 040615	4/6	1035	2 S	S	X	X	X	X	X
12		14 (0-6) - 040615	4/6	1105	2 S	S					
13		14 (6-13) - 040615	4/6	1115	2 S	S					
14		CB22(0-1) - 040615	4/6	1125	2 S	S					
15		CB21(0-6) - 040615	4/6	1135	2 S	S					
16		CB21(0-6) - 040615D	4/6	1135	2 S	S					
17		CB21(6-13) - 040615	4/6	1145	2 S	S					
18		VB01 (0-5) - 040615	4/6	1240	2 S	S					
19		VB02 (0-6) - 040615	4/6	1250	2 S	S					
20		VB02 (6-13) - 040615	4/6	1300	2 S	S					

Turnaround Time Required (Business Days)

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

Sample Disposal

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

Relinquished By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>4/6/15</u> Time: <u>1630</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/6/15</u> Time: <u>1630</u>
Relinquished By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>4/7/15</u> Time: <u>950</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/7/15</u> Time: <u>0950</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: JA

Shipped: _____

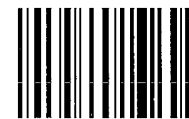
Matrix Key

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:

Elmhurst



503325



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 343: IL 68 from Kennicott Ave to N. Wilke Rd Office Phone Number, if available: _____

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

1100 W. Dundee Road (ISGS Site No. 2634-20)

City: Arlington Heights State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.139238749 Longitude: -87.996110007
(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 343: IL 68 from Kennicott Ave to N. Wilke Rd

Latitude: 42.139238749 Longitude: -87.996110007

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION AN-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2634-20. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94236-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.
 Street Address: 300 Plaza Circle, Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: 224-864-7267

William F. Karlovitz, P.E.
 Printed Name:

William F. Karlovitz
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

15 June 2015
 Date:



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

Summary Table of ISGS Site No. 2634-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Field Sample ID	AN-1(0-6)-040615	AN-1(6-13)-040615	Soil Reference Concentrations ^A
Sample Date	4/6/2015	4/6/2015	
Location ID	AN-1	AN-1	
Depth	0 - 6	6 - 13	
ISGS Site No.	2634-20	2634-20	
Parameter			
Laboratory pH (s.u.)	8.5	8.54	<6.25,>9.0
VOCs (ug/kg)	None Detected		
SVOCs (ug/kg)			
Acenaphthylene	6.9 J	ND	---
Anthracene	33 J	ND	1.20E+07
Benzo(a)anthracene	170	ND	900 / 1100 / 1800
Benzo(a)pyrene	170	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	310	ND	900 / 1500 / 2100
Benzo(k)fluoranthene	120	ND	9000
Chrysene	180	ND	88000
Fluoranthene	390	ND	3100000
Fluorene	9.4 J	ND	560000
Indeno(1,2,3-cd)pyrene	60	ND	900 / 900 / 1600
Phenanthrene	150	ND	---
Pyrene	310	ND	2300000
Total Metals (mg/kg)			
Arsenic, Total	8.4	5.7	11.3 / 13
Barium, Total	67	57	1500
Beryllium, Total	0.69	0.66	22
Cadmium, Total	0.13	0.16	5.2
Calcium, Total	60000 J+	69000 J+	---
Chromium, Total	18	17	21
Cobalt, Total	11	9.1	20
Copper, Total	21	21	2900
Iron, Total	19000 J+	18000 J+	15000 / 15900
Lead, Total	16	12	107
Magnesium, Total	24000 J+	25000 J+	325000
Manganese, Total	400 J	400 J	630 / 636
Mercury, Total	0.024	0.023	0.89
Nickel, Total	31	28	100
Potassium, Total	1900 J+	2400 J+	---
Sodium, Total	320	330	---
Vanadium, Total	23	22	550
Zinc, Total	64	63	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.51	0.42 J	2
Cadmium, TCLP	0.0021 J	0.0026 J	0.005
Copper, TCLP	ND	0.013 J	0.65
Iron, TCLP	ND	0.2	5
Manganese, TCLP	0.049	0.3	0.15
SPLP Metals (mg/l)			
Arsenic, SPLP	ND	0.034 J	0.05
Barium, SPLP	0.18 J	0.34 J	2
Chromium, SPLP	0.032	0.096	0.1
Cobalt, SPLP	ND	0.019 J	1
Copper, SPLP	0.031	0.12	0.65
Iron, SPLP	26 J+	93 J+	5
Lead, SPLP	0.015	0.044	0.0075
Manganese, SPLP	0.12	0.37	0.15
Mercury, SPLP	ND	0.0002	0.002
Nickel, SPLP	0.025	0.08	0.1
Zinc, SPLP	0.09 J	0.4	5

Summary Table of ISGS Site No. 2634-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Notes:


--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94236-1
Client Project/Site: IDOT - Arlington Heights - WO 013

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

Attn: Mr. S. Babusukumar



Authorized for release by:
4/14/2015 9:29:09 AM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
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.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: AN1(0-6)-040615

Lab Sample ID: 500-94236-8

Date Collected: 04/06/15 14:50

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 84.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/07/15 19:55	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/07/15 19:55	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/07/15 19:55	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/07/15 19:55	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/07/15 19:55	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/07/15 19:55	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/07/15 19:55	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		04/07/15 19:55	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/07/15 19:55	1
Chloroform	<6.0		6.0	0.68	ug/Kg	☼		04/07/15 19:55	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/07/15 19:55	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		04/07/15 19:55	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		04/07/15 19:55	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/07/15 19:55	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		04/07/15 19:55	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		04/07/15 19:55	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		04/07/15 19:55	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		04/07/15 19:55	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		04/07/15 19:55	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/07/15 19:55	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/07/15 19:55	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/07/15 19:55	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/07/15 19:55	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/07/15 19:55	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		04/07/15 19:55	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		04/07/15 19:55	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/07/15 19:55	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/07/15 19:55	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		04/07/15 19:55	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/07/15 19:55	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/07/15 19:55	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/07/15 19:55	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		04/07/15 19:55	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		04/07/15 19:55	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/07/15 19:55	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/07/15 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		04/07/15 19:55	1
Dibromofluoromethane	100		75 - 120		04/07/15 19:55	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		04/07/15 19:55	1
Toluene-d8 (Surr)	98		75 - 122		04/07/15 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: AN1(0-6)-040615

Lab Sample ID: 500-94236-8

Date Collected: 04/06/15 14:50

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Acenaphthylene	6.9 J		39	5.2	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Anthracene	33 J		39	6.5	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Benzo[a]anthracene	170		39	5.3	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Benzo[a]pyrene	170		39	7.6	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Benzo[b]fluoranthene	310		39	8.4	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Benzo[k]fluoranthene	120		39	12	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Carbazole	<200		200	100	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Chrysene	180		39	11	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Fluoranthene	390		39	7.2	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Fluorene	9.4 J		39	5.5	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: AN1(0-6)-040615

Lab Sample ID: 500-94236-8

Date Collected: 04/06/15 14:50

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	60		39	10	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Isophorone	<200		200	44	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Phenanthrene	150		39	5.4	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Phenol	<200		200	87	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Pyrene	310		39	7.8	ug/Kg	☼	04/08/15 07:08	04/09/15 06:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	90		35 - 137				04/08/15 07:08	04/09/15 06:37	1
2-Fluorobiphenyl	71		25 - 119				04/08/15 07:08	04/09/15 06:37	1
2-Fluorophenol	72		25 - 110				04/08/15 07:08	04/09/15 06:37	1
Nitrobenzene-d5	65		25 - 115				04/08/15 07:08	04/09/15 06:37	1
Phenol-d5	73		31 - 110				04/08/15 07:08	04/09/15 06:37	1
Terphenyl-d14	105		36 - 134				04/08/15 07:08	04/09/15 06:37	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		04/09/15 08:40	04/10/15 14:45	1
Barium	0.51		0.50	0.050	mg/L		04/09/15 08:40	04/10/15 14:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:40	04/10/15 14:45	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		04/09/15 08:40	04/10/15 14:45	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:45	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:45	1
Copper	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:45	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:40	04/10/15 14:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:40	04/10/15 14:45	1
Manganese	0.049		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:45	1
Nickel	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:45	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:40	04/10/15 14:45	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:45	1
Zinc	0.031	J B	0.10	0.020	mg/L		04/09/15 08:40	04/10/15 14:45	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		04/10/15 08:20	04/11/15 03:44	1
Barium	0.18	J	0.50	0.050	mg/L		04/10/15 08:20	04/11/15 03:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:20	04/11/15 03:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:20	04/11/15 03:44	1
Chromium	0.032		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:44	1
Copper	0.031		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:44	1
Iron	26		0.20	0.20	mg/L		04/10/15 08:20	04/11/15 03:44	1
Lead	0.015		0.0075	0.0075	mg/L		04/10/15 08:20	04/11/15 03:44	1
Manganese	0.12		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:44	1
Nickel	0.025		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:20	04/11/15 03:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: AN1(0-6)-040615

Lab Sample ID: 500-94236-8

Date Collected: 04/06/15 14:50

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:44	1
Zinc	0.090	J	0.10	0.020	mg/L		04/10/15 08:20	04/11/15 03:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Arsenic	8.4		0.55	0.25	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Barium	67		0.55	0.10	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Beryllium	0.69		0.22	0.047	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Cadmium	0.13		0.11	0.032	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Calcium	60000		110	35	mg/Kg	☼	04/07/15 15:59	04/08/15 13:31	10
Chromium	18		0.55	0.094	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Cobalt	11		0.27	0.062	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Copper	21		0.55	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Iron	19000		11	4.2	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Lead	16		0.27	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Magnesium	24000	B	5.5	2.2	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Manganese	400		0.55	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Nickel	31		0.55	0.15	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Potassium	1900		27	4.5	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Sodium	320		55	7.2	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Vanadium	23		0.27	0.080	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1
Zinc	64		1.1	0.35	mg/Kg	☼	04/07/15 15:59	04/08/15 12:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 14:36	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	24		20	6.9	ug/Kg	☼	04/08/15 14:00	04/09/15 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.50		0.200	0.200	SU			04/08/15 15:09	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: AN1(6-13)-040615

Lab Sample ID: 500-94236-9

Date Collected: 04/06/15 15:00

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 80.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		04/07/15 20:21	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		04/07/15 20:21	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/07/15 20:21	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/07/15 20:21	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/07/15 20:21	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		04/07/15 20:21	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/07/15 20:21	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/07/15 20:21	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/07/15 20:21	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		04/07/15 20:21	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/07/15 20:21	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		04/07/15 20:21	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		04/07/15 20:21	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/07/15 20:21	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/07/15 20:21	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/07/15 20:21	1
1,1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/07/15 20:21	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		04/07/15 20:21	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		04/07/15 20:21	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		04/07/15 20:21	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/07/15 20:21	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/07/15 20:21	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		04/07/15 20:21	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/07/15 20:21	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/07/15 20:21	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		04/07/15 20:21	1
1,1,1,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		04/07/15 20:21	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		04/07/15 20:21	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		04/07/15 20:21	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		04/07/15 20:21	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/07/15 20:21	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/07/15 20:21	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		04/07/15 20:21	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/07/15 20:21	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/07/15 20:21	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/07/15 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		04/07/15 20:21	1
Dibromofluoromethane	102		75 - 120		04/07/15 20:21	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		04/07/15 20:21	1
Toluene-d8 (Surr)	98		75 - 122		04/07/15 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: AN1(6-13)-040615

Lab Sample ID: 500-94236-9

Date Collected: 04/06/15 15:00

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Carbazole	<200		200	100	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Chrysene	<39		39	11	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Fluoranthene	<39		39	7.4	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: AN1(6-13)-040615

Lab Sample ID: 500-94236-9

Date Collected: 04/06/15 15:00

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Isophorone	<200		200	45	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Phenol	<200		200	88	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Pyrene	<39		39	7.9	ug/Kg	☼	04/08/15 07:08	04/09/15 04:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		35 - 137				04/08/15 07:08	04/09/15 04:20	1
2-Fluorobiphenyl	86		25 - 119				04/08/15 07:08	04/09/15 04:20	1
2-Fluorophenol	94		25 - 110				04/08/15 07:08	04/09/15 04:20	1
Nitrobenzene-d5	85		25 - 115				04/08/15 07:08	04/09/15 04:20	1
Phenol-d5	93		31 - 110				04/08/15 07:08	04/09/15 04:20	1
Terphenyl-d14	113		36 - 134				04/08/15 07:08	04/09/15 04:20	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/15 08:40	04/10/15 14:50	1
Barium	0.42	J	0.50	0.050	mg/L		04/09/15 08:40	04/10/15 14:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:40	04/10/15 14:50	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		04/09/15 08:40	04/10/15 14:50	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:50	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:50	1
Copper	0.013	J	0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:50	1
Iron	0.20		0.20	0.20	mg/L		04/09/15 08:40	04/10/15 14:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:40	04/10/15 14:50	1
Manganese	0.30		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:50	1
Nickel	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:50	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:40	04/10/15 14:50	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:40	04/10/15 14:50	1
Zinc	0.086	J B	0.10	0.020	mg/L		04/09/15 08:40	04/10/15 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034	J	0.050	0.010	mg/L		04/10/15 08:20	04/11/15 03:50	1
Barium	0.34	J	0.50	0.050	mg/L		04/10/15 08:20	04/11/15 03:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:20	04/11/15 03:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:20	04/11/15 03:50	1
Chromium	0.096		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:50	1
Cobalt	0.019	J	0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:50	1
Copper	0.12		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:50	1
Iron	93		0.20	0.20	mg/L		04/10/15 08:20	04/11/15 03:50	1
Lead	0.044		0.0075	0.0075	mg/L		04/10/15 08:20	04/11/15 03:50	1
Manganese	0.37		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:50	1
Nickel	0.080		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:50	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:20	04/11/15 03:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Client Sample ID: AN1(6-13)-040615

Lab Sample ID: 500-94236-9

Date Collected: 04/06/15 15:00

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:20	04/11/15 03:50	1
Zinc	0.40		0.10	0.020	mg/L		04/10/15 08:20	04/11/15 03:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2	F1	1.2	0.25	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Arsenic	5.7		0.61	0.28	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Barium	57		0.61	0.11	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Beryllium	0.66		0.24	0.053	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Cadmium	0.16		0.12	0.035	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Calcium	69000		120	39	mg/Kg	⊛	04/07/15 15:59	04/08/15 13:35	10
Chromium	17		0.61	0.11	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Cobalt	9.1		0.31	0.069	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Copper	21		0.61	0.13	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Iron	18000		12	4.7	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Lead	12		0.31	0.15	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Magnesium	25000	B	6.1	2.5	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Manganese	400		0.61	0.12	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Nickel	28		0.61	0.17	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Potassium	2400	F1	31	5.0	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Selenium	<0.61	F1	0.61	0.30	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Silver	<0.31		0.31	0.072	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Sodium	330		61	8.1	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Thallium	<0.61		0.61	0.30	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Vanadium	22		0.31	0.089	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1
Zinc	63		1.2	0.39	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 14:38	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	23		20	7.0	ug/Kg	⊛	04/08/15 14:00	04/09/15 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.54		0.200	0.200	SU			04/08/15 15:12	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery exceeds the control limits
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94236-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.



500-94236 COC

Report To (optional)
Contact: Andris Stesen
Company: Weston Solutions
Address: 300 Circle Plaza
Address: Mundelein IL
Phone:
Fax:
E-Mail: Andris.Stesen@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94236
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 36, 4.0

Client		Client Project #		Preservative		Parameter												Preservative Key			
Weston Solutions		013																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other			
Project Name		Lab Project #		Sampling		# of Containers		Matrix		VOCs		SVOCs		Total Metals		TCLP/SPLP metals		PH		Comments	
IDOT 013				Date	Time																
Project Location/State		Lab Project #																			
Arlington Heights / IL																					
Sampler		Lab PM																			
Jonathan Colomb																					
Lab ID	MS/MSD	Sample ID		Date	Time	# of Containers	Matrix														
1		CB11(0-6)-040615		4/6	1320	2	S	X	X	X	X	X									
2		CB11(6-13)-040615		4/6	1330	2	S														
3		MCI(0-1)-040615		4/6	1340	2	S														
4		BP2(0-1)-040615		4/6	1400	2	S														
5		BPI(0-6)-040615		4/6	1420	2	S														
6		BPI(0-6)-040615D		4/6	1420	2	S														
7		BPI(6-13)-040615		4/6	1430	2	S														
8		ANI(0-6)-040615		4/6	1450	2	S														
9		ANI(6-13)-040615		4/6	1500	2	S														

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days 7 Days ___ 10 Days ___ 15 Days ___ Other
 Requested Due Date: _____

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>4/6/15</u> Time: <u>1630</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/6/15</u> Time: <u>1630</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/7/15</u> Time: <u>950</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>4/7/15</u> Time: <u>0950</u>

Lab Courier: [Signature]
 Shipped: _____

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:

Elmhurst



503325 4/14/2015



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 343: IL 68 from Kennicott Ave to N. Wilke Rd Office Phone Number, if available: _____

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

1400 - 1500 W. Dundee Road (ISGS Site No. 2634-21)

City: Arlington Heights State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.139278335 Longitude: -87.999703074

(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 343: IL 68 from Kennicott Ave to N. Wilke Rd

Latitude: 42.139278335 Longitude: -87.999703074

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 BR-1 AND BR-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2634-21. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94235-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.
 Street Address: 300 Plaza Circle, Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: 224-864-7267

William F. Karlovitz, P.E.
 Printed Name:

William F. Karlovitz
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

15 June 2015
 Date:



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

Summary Table of ISGS Site No. 2634-21
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Field Sample ID	BR-1(0-6)-040615	BR-1(6-13)-040615	BR-1(6-13)-040615D	BR-2(0-1)-040615	Soil Reference Concentrations ^A
Sample Date	4/6/2015	4/6/2015	4/6/2015	4/6/2015	
Location ID	BR-1	BR-1	BR-1	BR-2	
Depth	0 - 6	6 - 13	6 - 13	0 - 1	
ISGS Site No.	2634-21	2634-21	2634-21	2634-21	
Parameter					
Laboratory pH (s.u.)	8.01	8.89	8.83	8.27	<6.25,>9.0
VOCs (ug/kg)					
Acetone	44	18	13	ND	25000
SVOCs (ug/kg)					
Acenaphthene	ND	ND	ND	17 J	570000
Anthracene	ND	ND	ND	70	1.20E+07
Benzo(a)anthracene	ND	ND	ND	550	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	690	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	ND	1100	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	ND	760 J	---
Benzo(k)fluoranthene	ND	ND	ND	550 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	83 J	46000
Chrysene	ND	ND	ND	750	88000
Dibenzo(a,h)anthracene	ND	ND	ND	99 J	90 / 200 / 420
Fluoranthene	ND	ND	ND	1400 J+	3100000
Fluorene	ND	ND	ND	23 J	560000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	600 J	900 / 900 / 1600
Phenanthrene	ND	ND	ND	500	---
Pyrene	ND	ND	ND	1100 J+	2300000
Total Metals (mg/kg)					
Antimony, Total	0.31 J	0.46 J	0.38 J	0.91 J	5
Arsenic, Total	8.4 J	7.5 J	6.4 J	7.3 J	11.3 / 13
Barium, Total	72	30	27	76	1500
Beryllium, Total	0.7	0.5	0.46	0.61	22
Cadmium, Total	0.34 J-	0.38 J-	0.41 J-	0.43 J-	5.2
Calcium, Total	28000 J	53000 J	98000 J	29000 J	---
Chromium, Total	19 J-	14 J-	13 J-	26 J-	21
Cobalt, Total	11 J	8.5 J	7.6 J	8.1 J	20
Copper, Total	24 J-	21 J-	19 J-	36 J-	2900
Iron, Total	23000 J	18000 J	16000 J	18000 J	15000 / 15900
Lead, Total	14 J	11 J	9 J	30 J	107
Magnesium, Total	17000 J	33000 J	36000 J	19000 J	325000
Manganese, Total	630 J+	540 J+	510 J+	380 J+	630 / 636
Mercury, Total	0.013 J	0.029	0.025	0.032	0.89
Nickel, Total	26 J	22 J	19 J	20 J	100
Silver, Total	ND	ND	ND	ND	4.4
Sodium, Total	1800	950	1000	1000	---
Thallium, Total	ND	ND	0.28 J	ND	2.6
Vanadium, Total	26	17	17	23	550
Zinc, Total	50 J	50 J	48 J	95 J	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.73	0.54	0.28 J	0.4 J	2
Cadmium, TCLP	0.0025 J	0.0028 J	0.0028 J	0.0022 J	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.025	ND	0.01 J	ND	1
Copper, TCLP	0.011 J	0.012 J	ND	ND	0.65
Iron, TCLP	0.2	ND	0.23	0.2	5
Manganese, TCLP	8.7	2.7	2.3	0.25	0.15
Nickel, TCLP	0.018 J	ND	0.013 J	ND	0.1
Zinc, TCLP	0.034 J	0.045 J	0.024 J	0.029 J	5

Summary Table of ISGS Site No. 2634-21
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL Route 68 (W. Dundee Road) from Kennicott Avenue to N. Wilke Road
Arlington Heights and Palatine, Cook County, Illinois

Field Sample ID	BR-1(0-6)-040615	BR-1(6-13)-040615	BR-1(6-13)-040615D	BR-2(0-1)-040615	Soil Reference Concentrations ^A
Sample Date	4/6/2015	4/6/2015	4/6/2015	4/6/2015	
Location ID	BR-1	BR-1	BR-1	BR-2	
Depth	0 - 6	6 - 13	6 - 13	0 - 1	
ISGS Site No.	2634-21	2634-21	2634-21	2634-21	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.036 J	0.034 J	0.037 J	0.031 J	0.05
Barium, SPLP	0.43 J	0.25 J	0.27 J	0.42 J	2
Chromium, SPLP	0.083	0.071	0.074	0.096	0.1
Cobalt, SPLP	0.037	0.029	0.031	0.024 J	1
Copper, SPLP	0.12	0.12	0.12	0.1	0.65
Iron, SPLP	91 J+	81 J+	84 J+	89 J+	5
Lead, SPLP	0.07	0.038	0.041	0.068	0.0075
Manganese, SPLP	1.1	0.83	0.83	0.47	0.15
Nickel, SPLP	0.099	0.099	0.11	0.089	0.1
Zinc, SPLP	0.28	0.32	0.3	0.37	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

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: 500-94235-1
Client Project/Site: IDOT - Arlington Heights - WO 013

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

Attn: Mr. S. Babusukumar



Authorized for release by:
4/14/2015 3:07:26 PM

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

LINKS

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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.

- 1
- 2
- 3
- 4
- 5
- 6
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- 11
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- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR02(0-1)-040615

Lab Sample ID: 500-94235-1

Date Collected: 04/06/15 08:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 79.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		04/08/15 18:10	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		04/08/15 18:10	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/08/15 18:10	1
Bromoform	<6.3		6.3	1.4	ug/Kg	☼		04/08/15 18:10	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		04/08/15 18:10	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		04/08/15 18:10	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		04/08/15 18:10	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		04/08/15 18:10	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		04/08/15 18:10	1
Chloroform	<6.3		6.3	0.72	ug/Kg	☼		04/08/15 18:10	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		04/08/15 18:10	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		04/08/15 18:10	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	☼		04/08/15 18:10	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/08/15 18:10	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	☼		04/08/15 18:10	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		04/08/15 18:10	1
1,1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/08/15 18:10	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	☼		04/08/15 18:10	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	☼		04/08/15 18:10	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		04/08/15 18:10	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		04/08/15 18:10	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		04/08/15 18:10	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		04/08/15 18:10	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	☼		04/08/15 18:10	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		04/08/15 18:10	1
Styrene	<6.3		6.3	0.82	ug/Kg	☼		04/08/15 18:10	1
1,1,1,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		04/08/15 18:10	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		04/08/15 18:10	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		04/08/15 18:10	1
trans-1,2-Dichloroethene	<6.3		6.3	0.86	ug/Kg	☼		04/08/15 18:10	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		04/08/15 18:10	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		04/08/15 18:10	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		04/08/15 18:10	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/08/15 18:10	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		04/08/15 18:10	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		04/08/15 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122		04/08/15 18:10	1
Dibromofluoromethane	106		75 - 120		04/08/15 18:10	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134		04/08/15 18:10	1
Toluene-d8 (Surr)	108		75 - 122		04/08/15 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
1,2-Dichlorobenzene	<200	F1	200	47	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
1,3-Dichlorobenzene	<200	F1	200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
1,4-Dichlorobenzene	<200	F1	200	51	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2,2'-oxybis[1-chloropropane]	<200	F1	200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR02(0-1)-040615

Lab Sample ID: 500-94235-1

Date Collected: 04/06/15 08:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2,4-Dimethylphenol	<390	F1	390	150	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2,4-Dinitrophenol	<800	F1	800	700	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2-Chlorophenol	<200	F1	200	68	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2-Nitroaniline	<200	F1	200	53	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
3,3'-Dichlorobenzidine	<200	F1 F2	200	55	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
3-Nitroaniline	<390	F1 F2	390	120	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
4,6-Dinitro-2-methylphenol	<390	F1	390	320	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
4-Chloroaniline	<800	F2	800	190	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
4-Nitroaniline	<390	F2	390	170	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Acenaphthene	17	J	39	7.1	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Anthracene	70		39	6.6	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Benzo[a]anthracene	550		39	5.3	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Benzo[a]pyrene	690		39	7.7	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Benzo[b]fluoranthene	1100		39	8.6	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Benzo[g,h,i]perylene	760	F1 F2	39	13	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Benzo[k]fluoranthene	550	F1 F2	39	12	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Bis(2-chloroethoxy)methane	<200	F1	200	40	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Bis(2-chloroethyl)ether	<200	F1	200	59	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Bis(2-ethylhexyl) phthalate	83	J	200	72	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Carbazole	<200		200	100	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Chrysene	750		39	11	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Dibenz(a,h)anthracene	99	F1 F2	39	7.7	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Di-n-octyl phthalate	<200	F2	200	65	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Fluoranthene	1400	F1	39	7.4	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Fluorene	23	J	39	5.6	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Hexachlorocyclopentadiene	<800	F1	800	230	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Hexachloroethane	<200	F1	200	60	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR02(0-1)-040615

Lab Sample ID: 500-94235-1

Date Collected: 04/06/15 08:35

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	600	F1 F2	39	10	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Isophorone	<200	F1	200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Naphthalene	<39	F1	39	6.1	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Nitrobenzene	<39	F1	39	9.9	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
N-Nitrosodi-n-propylamine	<200	F1	200	48	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Phenanthrene	500		39	5.5	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Phenol	<200	F1	200	88	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Pyrene	1100	F1	39	7.9	ug/Kg	☼	04/08/15 07:04	04/10/15 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	46		35 - 137				04/08/15 07:04	04/10/15 19:53	1
2-Fluorobiphenyl	43		25 - 119				04/08/15 07:04	04/10/15 19:53	1
2-Fluorophenol	36		25 - 110				04/08/15 07:04	04/10/15 19:53	1
Nitrobenzene-d5	33		25 - 115				04/08/15 07:04	04/10/15 19:53	1
Phenol-d5	34		31 - 110				04/08/15 07:04	04/10/15 19:53	1
Terphenyl-d14	51		36 - 134				04/08/15 07:04	04/10/15 19:53	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		04/09/15 08:00	04/10/15 15:09	1
Barium	0.40	J	0.50	0.050	mg/L		04/09/15 08:00	04/10/15 15:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 15:09	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 15:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:09	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:09	1
Copper	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:09	1
Iron	0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 15:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 15:09	1
Manganese	0.25		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:09	1
Nickel	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 15:09	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:09	1
Zinc	0.029	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.031	J	0.050	0.010	mg/L		04/10/15 08:50	04/11/15 04:47	1
Barium	0.42	J	0.50	0.050	mg/L		04/10/15 08:50	04/11/15 04:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 04:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 04:47	1
Chromium	0.096		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 04:47	1
Cobalt	0.024	J	0.025	0.010	mg/L		04/10/15 08:50	04/11/15 04:47	1
Copper	0.10		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 04:47	1
Iron	89		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 04:47	1
Lead	0.068		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 04:47	1
Manganese	0.47		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 04:47	1
Nickel	0.089		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 04:47	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 04:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR02(0-1)-040615

Lab Sample ID: 500-94235-1

Date Collected: 04/06/15 08:35

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 04:47	1
Zinc	0.37		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 04:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.91	J F1	1.2	0.25	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Arsenic	7.3		0.61	0.28	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Barium	76		0.61	0.11	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Beryllium	0.61		0.24	0.052	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Cadmium	0.43	F1	0.12	0.035	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Calcium	29000	F2	12	3.9	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Chromium	26	F1	0.61	0.10	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Cobalt	8.1		0.30	0.068	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Copper	36	F1	0.61	0.13	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Iron	18000		12	4.7	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Lead	30	F2	0.30	0.15	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Magnesium	19000	F2	6.1	2.5	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Manganese	380		0.61	0.12	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Nickel	20		0.61	0.16	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Potassium	2500		30	4.9	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Selenium	<0.61	F1	0.61	0.30	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Silver	<0.30		0.30	0.071	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Sodium	1000		61	8.0	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Thallium	<0.61		0.61	0.30	mg/Kg	⊛	04/07/15 15:59	04/09/15 16:53	1
Vanadium	23		0.30	0.088	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1
Zinc	95	F1	1.2	0.38	mg/Kg	⊛	04/07/15 15:59	04/08/15 12:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 14:46	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	32		20	7.0	ug/Kg	⊛	04/08/15 14:00	04/09/15 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.27		0.200	0.200	SU			04/08/15 14:01	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(0-6)-040615

Lab Sample ID: 500-94235-4

Date Collected: 04/06/15 09:15

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 83.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	44		6.0	2.6	ug/Kg	☼		04/08/15 19:22	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/08/15 19:22	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/08/15 19:22	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/08/15 19:22	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/08/15 19:22	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/08/15 19:22	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/08/15 19:22	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/08/15 19:22	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/08/15 19:22	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/08/15 19:22	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/08/15 19:22	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/08/15 19:22	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		04/08/15 19:22	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/08/15 19:22	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/08/15 19:22	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/08/15 19:22	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/08/15 19:22	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/08/15 19:22	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		04/08/15 19:22	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/08/15 19:22	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/08/15 19:22	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/08/15 19:22	1
Methyl Ethyl Ketone	8.1		6.0	2.2	ug/Kg	☼		04/08/15 19:22	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/08/15 19:22	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/08/15 19:22	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		04/08/15 19:22	1
1,1,1,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/15 19:22	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/08/15 19:22	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/08/15 19:22	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/08/15 19:22	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/08/15 19:22	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/08/15 19:22	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/08/15 19:22	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/08/15 19:22	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/08/15 19:22	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/08/15 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		04/08/15 19:22	1
Dibromofluoromethane	109		75 - 120		04/08/15 19:22	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134		04/08/15 19:22	1
Toluene-d8 (Surr)	107		75 - 122		04/08/15 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(0-6)-040615

Lab Sample ID: 500-94235-4

Date Collected: 04/06/15 09:15

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2-Methylnaphthalene	<39		39	7.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2-Methylphenol	<200		200	62	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Carbazole	<200		200	100	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Chrysene	<39		39	11	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Dibenzofuran	<200		200	45	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(0-6)-040615

Lab Sample ID: 500-94235-4

Date Collected: 04/06/15 09:15

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Isophorone	<200		200	44	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
N-Nitrosodi-n-propylamine	<200		200	47	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Phenol	<200		200	86	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Pyrene	<39		39	7.7	ug/Kg	☼	04/08/15 07:04	04/10/15 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		35 - 137				04/08/15 07:04	04/10/15 13:10	1
2-Fluorobiphenyl	41		25 - 119				04/08/15 07:04	04/10/15 13:10	1
2-Fluorophenol	36		25 - 110				04/08/15 07:04	04/10/15 13:10	1
Nitrobenzene-d5	34		25 - 115				04/08/15 07:04	04/10/15 13:10	1
Phenol-d5	35		31 - 110				04/08/15 07:04	04/10/15 13:10	1
Terphenyl-d14	61		36 - 134				04/08/15 07:04	04/10/15 13:10	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/15 08:00	04/10/15 15:48	1
Barium	0.73		0.50	0.050	mg/L		04/09/15 08:00	04/10/15 15:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 15:48	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 15:48	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:48	1
Cobalt	0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:48	1
Copper	0.011	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:48	1
Iron	0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 15:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 15:48	1
Manganese	8.7		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:48	1
Nickel	0.018	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:48	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 15:48	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:48	1
Zinc	0.034	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		04/10/15 08:50	04/11/15 05:39	1
Barium	0.43	J	0.50	0.050	mg/L		04/10/15 08:50	04/11/15 05:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 05:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 05:39	1
Chromium	0.083		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:39	1
Cobalt	0.037		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:39	1
Copper	0.12		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:39	1
Iron	91		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 05:39	1
Lead	0.070		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 05:39	1
Manganese	1.1		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:39	1
Nickel	0.099		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:39	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 05:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(0-6)-040615

Lab Sample ID: 500-94235-4

Date Collected: 04/06/15 09:15

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:39	1
Zinc	0.28		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 05:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.1	0.23	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Arsenic	8.4		0.56	0.26	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Barium	72		0.56	0.10	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Beryllium	0.70		0.22	0.048	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Cadmium	0.34		0.11	0.032	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Calcium	28000		11	3.6	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Chromium	19		0.56	0.096	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Cobalt	11		0.28	0.063	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Copper	24		0.56	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Iron	23000		11	4.3	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Lead	14		0.28	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Magnesium	17000		5.6	2.3	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Manganese	630		0.56	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Nickel	26		0.56	0.15	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Potassium	2800		28	4.5	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Sodium	1800		56	7.3	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	04/07/15 15:59	04/09/15 17:42	1
Vanadium	26		0.28	0.081	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1
Zinc	50		1.1	0.35	mg/Kg	☼	04/07/15 15:59	04/08/15 13:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 14:56	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	13	J	19	6.6	ug/Kg	☼	04/08/15 14:00	04/09/15 09:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01		0.200	0.200	SU			04/08/15 14:10	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(6-13)-040615

Lab Sample ID: 500-94235-5

Date Collected: 04/06/15 09:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	18		5.8	2.5	ug/Kg	☼		04/08/15 19:46	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/08/15 19:46	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 19:46	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/08/15 19:46	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/08/15 19:46	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/08/15 19:46	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/08/15 19:46	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/08/15 19:46	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/08/15 19:46	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/08/15 19:46	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 19:46	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/08/15 19:46	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 19:46	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 19:46	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/08/15 19:46	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/08/15 19:46	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/08/15 19:46	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/08/15 19:46	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 19:46	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 19:46	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/08/15 19:46	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/08/15 19:46	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/08/15 19:46	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/08/15 19:46	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/08/15 19:46	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 19:46	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 19:46	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/08/15 19:46	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/08/15 19:46	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/08/15 19:46	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 19:46	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/08/15 19:46	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/08/15 19:46	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/08/15 19:46	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 19:46	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/08/15 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		04/08/15 19:46	1
Dibromofluoromethane	104		75 - 120		04/08/15 19:46	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		04/08/15 19:46	1
Toluene-d8 (Surr)	111		75 - 122		04/08/15 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(6-13)-040615

Lab Sample ID: 500-94235-5

Date Collected: 04/06/15 09:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Acenaphthylene	<37		37	4.8	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Anthracene	<37		37	6.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Benzo[a]anthracene	<37		37	4.9	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Benzo[b]fluoranthene	<37		37	7.9	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Bis(2-chloroethoxy)methane	<180		180	38	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Carbazole	<180		180	95	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Chrysene	<37		37	10	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Hexachloroethane	<180		180	56	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(6-13)-040615

Lab Sample ID: 500-94235-5

Date Collected: 04/06/15 09:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.5	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Isophorone	<180		180	41	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Phenanthrene	<37		37	5.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Phenol	<180		180	82	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Pyrene	<37		37	7.3	ug/Kg	☼	04/08/15 07:04	04/10/15 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		35 - 137				04/08/15 07:04	04/10/15 13:32	1
2-Fluorobiphenyl	75		25 - 119				04/08/15 07:04	04/10/15 13:32	1
2-Fluorophenol	66		25 - 110				04/08/15 07:04	04/10/15 13:32	1
Nitrobenzene-d5	65		25 - 115				04/08/15 07:04	04/10/15 13:32	1
Phenol-d5	63		31 - 110				04/08/15 07:04	04/10/15 13:32	1
Terphenyl-d14	88		36 - 134				04/08/15 07:04	04/10/15 13:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/15 08:00	04/10/15 15:53	1
Barium	0.54		0.50	0.050	mg/L		04/09/15 08:00	04/10/15 15:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 15:53	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 15:53	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:53	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:53	1
Copper	0.012	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:53	1
Iron	<0.20		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 15:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 15:53	1
Manganese	2.7		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:53	1
Nickel	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:53	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 15:53	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:53	1
Zinc	0.045	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034	J	0.050	0.010	mg/L		04/10/15 08:50	04/11/15 05:46	1
Barium	0.25	J	0.50	0.050	mg/L		04/10/15 08:50	04/11/15 05:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 05:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 05:46	1
Chromium	0.071		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:46	1
Cobalt	0.029		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:46	1
Copper	0.12		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:46	1
Iron	81		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 05:46	1
Lead	0.038		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 05:46	1
Manganese	0.83		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:46	1
Nickel	0.099		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:46	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 05:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(6-13)-040615

Lab Sample ID: 500-94235-5

Date Collected: 04/06/15 09:20

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:46	1
Zinc	0.32		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 05:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.1	0.24	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Arsenic	7.5		0.57	0.26	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Barium	30		0.57	0.10	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Beryllium	0.50		0.23	0.050	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Cadmium	0.38		0.11	0.033	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Calcium	53000		11	3.7	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Chromium	14		0.57	0.098	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Cobalt	8.5		0.29	0.065	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Copper	21		0.57	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Iron	18000		11	4.4	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Lead	11		0.29	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Magnesium	33000		5.7	2.3	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Manganese	540		0.57	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Nickel	22		0.57	0.16	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Potassium	2600		29	4.7	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Sodium	950		57	7.6	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	04/07/15 15:59	04/09/15 17:47	1
Vanadium	17		0.29	0.084	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1
Zinc	50		1.1	0.36	mg/Kg	☼	04/07/15 15:59	04/08/15 13:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 14:58	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	29		19	6.6	ug/Kg	☼	04/08/15 14:00	04/09/15 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.89		0.200	0.200	SU			04/08/15 14:13	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(6-13)-040615D

Lab Sample ID: 500-94235-6

Date Collected: 04/06/15 09:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		5.8	2.5	ug/Kg	☼		04/08/15 20:10	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/08/15 20:10	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 20:10	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/08/15 20:10	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/08/15 20:10	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/08/15 20:10	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/08/15 20:10	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/08/15 20:10	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/08/15 20:10	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/08/15 20:10	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 20:10	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/08/15 20:10	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 20:10	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 20:10	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/08/15 20:10	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/08/15 20:10	1
1,1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/08/15 20:10	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/08/15 20:10	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 20:10	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 20:10	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/08/15 20:10	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/08/15 20:10	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/08/15 20:10	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/08/15 20:10	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/08/15 20:10	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/08/15 20:10	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 20:10	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/08/15 20:10	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/08/15 20:10	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/08/15 20:10	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/08/15 20:10	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/08/15 20:10	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/08/15 20:10	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/08/15 20:10	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/08/15 20:10	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/08/15 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		04/08/15 20:10	1
Dibromofluoromethane	108		75 - 120		04/08/15 20:10	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		04/08/15 20:10	1
Toluene-d8 (Surr)	108		75 - 122		04/08/15 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(6-13)-040615D

Lab Sample ID: 500-94235-6

Date Collected: 04/06/15 09:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Carbazole	<190		190	99	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Chrysene	<38		38	10	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(6-13)-040615D

Lab Sample ID: 500-94235-6

Date Collected: 04/06/15 09:20

Matrix: Solid

Date Received: 04/07/15 09:50

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Isophorone	<190		190	43	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Phenol	<190		190	85	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Pyrene	<38		38	7.6	ug/Kg	☼	04/08/15 07:04	04/10/15 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		35 - 137				04/08/15 07:04	04/10/15 13:54	1
2-Fluorobiphenyl	52		25 - 119				04/08/15 07:04	04/10/15 13:54	1
2-Fluorophenol	44		25 - 110				04/08/15 07:04	04/10/15 13:54	1
Nitrobenzene-d5	43		25 - 115				04/08/15 07:04	04/10/15 13:54	1
Phenol-d5	41		31 - 110				04/08/15 07:04	04/10/15 13:54	1
Terphenyl-d14	66		36 - 134				04/08/15 07:04	04/10/15 13:54	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		04/09/15 08:00	04/10/15 15:58	1
Barium	0.28	J	0.50	0.050	mg/L		04/09/15 08:00	04/10/15 15:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/15 08:00	04/10/15 15:58	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		04/09/15 08:00	04/10/15 15:58	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:58	1
Cobalt	0.010	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:58	1
Copper	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:58	1
Iron	0.23		0.20	0.20	mg/L		04/09/15 08:00	04/10/15 15:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/15 08:00	04/10/15 15:58	1
Manganese	2.3		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:58	1
Nickel	0.013	J	0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:58	1
Selenium	<0.050		0.050	0.020	mg/L		04/09/15 08:00	04/10/15 15:58	1
Silver	<0.025		0.025	0.010	mg/L		04/09/15 08:00	04/10/15 15:58	1
Zinc	0.024	J	0.10	0.020	mg/L		04/09/15 08:00	04/10/15 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		04/10/15 08:50	04/11/15 05:52	1
Barium	0.27	J	0.50	0.050	mg/L		04/10/15 08:50	04/11/15 05:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/15 08:50	04/11/15 05:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/15 08:50	04/11/15 05:52	1
Chromium	0.074		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:52	1
Cobalt	0.031		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:52	1
Copper	0.12		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:52	1
Iron	84		0.20	0.20	mg/L		04/10/15 08:50	04/11/15 05:52	1
Lead	0.041		0.0075	0.0075	mg/L		04/10/15 08:50	04/11/15 05:52	1
Manganese	0.83		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:52	1
Nickel	0.11		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:52	1
Selenium	<0.050		0.050	0.020	mg/L		04/10/15 08:50	04/11/15 05:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Client Sample ID: BR01(6-13)-040615D

Lab Sample ID: 500-94235-6

Date Collected: 04/06/15 09:20

Matrix: Solid

Date Received: 04/07/15 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/15 08:50	04/11/15 05:52	1
Zinc	0.30		0.10	0.020	mg/L		04/10/15 08:50	04/11/15 05:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.1	0.23	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Arsenic	6.4		0.54	0.25	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Barium	27		0.54	0.099	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Beryllium	0.46		0.22	0.047	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Cadmium	0.41		0.11	0.031	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Calcium	98000		110	35	mg/Kg	☼	04/07/15 15:59	04/09/15 17:57	10
Chromium	13		0.54	0.093	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Cobalt	7.6		0.27	0.061	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Copper	19		0.54	0.12	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Iron	16000		11	4.2	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Lead	9.0		0.27	0.14	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Magnesium	36000		5.4	2.2	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Manganese	510		0.54	0.11	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Nickel	19		0.54	0.15	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Potassium	2600		27	4.4	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Sodium	1000		54	7.2	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Thallium	0.28	J	0.54	0.27	mg/Kg	☼	04/07/15 15:59	04/09/15 17:52	1
Vanadium	17		0.27	0.079	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1
Zinc	48		1.1	0.34	mg/Kg	☼	04/07/15 15:59	04/08/15 13:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/09/15 10:35	04/10/15 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/10/15 13:45	04/13/15 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		17	6.0	ug/Kg	☼	04/08/15 14:00	04/09/15 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.83		0.200	0.200	SU			04/08/15 14:16	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery 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.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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 - Arlington Heights - WO 013

TestAmerica Job ID: 500-94235-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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



Report To (optional)
 Contact: Andras Sleser
 Company: Weston Solutions, Inc.
 Address: 300 Plaza Circle
Amundson / IL
 Phone: 224-864-7223
 Fax:
 E-Mail: Andras.Sleser@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94235
 Chain of Custody Number: _____
 Page 1 of 3
 Temperature °C of Cooler: (3.6) (4.0)

Client		Client Project #		Preservative		VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments						
Project Name		Lab Project #		Parameter													
Project Location/State		Lab Project #		Parameter		VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments						
Sampler		Lab PM		Parameter													
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP/SLPD metals	pH	Comments					
1		BRO2 (0-1) - 040615	4/6	0835	2	S							X	X	X	X	X
2		BRO3 (0-1) - 040615	4/6	0845	2	S	↓	↓	↓	↓	↓						
3		BRO4 (0-1) - 040615	4/6	0850	2	S											
4		BRO1 (0-6) - 040615	4/6	0915	2	S											
5		BRO1 (6-13) - 040615	4/6	0920	2	S											
6		BRO1 (6-13) - 040615D	4/6	0920	2	S											
7		I5 (0-6) - 040615	4/6	1000	2	S											
8		I5 (6-13) - 040615	4/6	1010	2	S											
9		I1 (0-1) - 040615	4/6	1020	2	S											
10		I2 (0-5) - 040615	4/6	1030	2	S											

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

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

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

Relinquished By <u>[Signature]</u> Company <u>WESTON</u> Date <u>4/6/15</u> Time <u>1630</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>4/6/15</u> Time <u>1630</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>4/7/15</u> Time <u>950</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>4/7/15</u> Time <u>0950</u>
Relinquished By Company Date Time	Received By Company Date Time

Lab Courier: TA
 Shipped: _____

- 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:

Elmhurst



503325

4/14/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Andris Stew
Company: Weston Solutions
Address: 300 Circle Plaza
Address: Mundelein IL
Phone: _____
Fax: _____
E-Mail: Andris.Stew@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-94235
Chain of Custody Number: _____
Page 2 of 3
Temperature °C of Cooler: (3.6) (4.0)

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions											
Project Name		Lab Project #		# of Containers		Matrix		VOCs		SVOCs	
DOT 013								Total Metals		TCLP / SPLP metals	
Project Location/State		Lab PM						pH			
Arlington Heights / IL		Jonathan Colomb									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP / SPLP metals	pH
11		13 (0-5) - 040615	4/6	1035	2 S	S	X	X	X	X	X
12		14 (0-6) - 040615	4/6	1105	2 S	S					
13		14 (6-13) - 040615	4/6	1115	2 S	S					
14		CB22(0-1) - 040615	4/6	1125	2 S	S					
15		CB21(0-6) - 040615	4/6	1135	2 S	S					
16		CB21(0-6) - 040615D	4/6	1135	2 S	S					
17		CB21(6-13) - 040615	4/6	1145	2 S	S					
18		VB01 (0-5) - 040615	4/6	1240	2 S	S					
19		VB02 (0-6) - 040615	4/6	1250	2 S	S					
20		VB02 (6-13) - 040615	4/6	1300	2 S	S					

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

Turnaround Time Required (Business Days)

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

Sample Disposal

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

Relinquished By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>4/6/15</u> Time: <u>1630</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/6/15</u> Time: <u>1630</u>
Relinquished By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>4/7/15</u> Time: <u>950</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/7/15</u> Time: <u>0950</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: JA

Shipped: _____

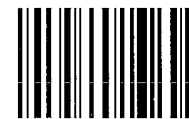
Matrix Key

- | | |
|--------------------|---------------------|
| 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:

Elmhurst



503325