Illinois Environmental Protection Agency

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; IL 83 to McHenry/Wheeling Rd Office Phone Number, if available: _____

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

831-865 W Dundee Rd (ISGS Site No. 2646-3)

City: Wheeling State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.139090851 (Decimal Degrees) Longitude: -87.937712748 (-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

Project Name: FAP 343: IL 68; IL 83 to McHenry/Wheeling Rd

Latitude: 42.139090851 Longitude: -87.937712748

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 DP-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2646-3. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-94620-1.
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 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 June 2015
Date:

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

Summary Table of ISGS Site No. 2646-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL 68 (W. Dundee Rd) from IL 83 to McHenry/Wheeling Road
Wheeling, Cook County, Illinois

Field Sample ID	DP-1(0-5)-041315	**Soil Reference Concentrations[A]**
Sample Date	4/13/2015	
Location ID	DP-1	
Depth	0 - 5	
ISGS Site No.	2646-3	
Parameter		
Laboratory pH (s.u.)	8.28	<6.25,>9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)	**No Exceedances**	
Total Metals (mg/kg)		
Antimony, Total	ND	5
Arsenic, Total	7.6 J	11.3 / 13
Barium, Total	84 J-	1500
Beryllium, Total	0.74	22
Cadmium, Total	0.22 J-	5.2
Calcium, Total	27000 J	---
Chromium, Total	19	21
Cobalt, Total	14 J	20
Copper, Total	21	2900
Iron, Total	23000 J	15000 / 15900
Lead, Total	36 J-	107
Magnesium, Total	15000 J	325000
Manganese, Total	460 J	630 / 636
Mercury, Total	0.05 J+	0.89
Nickel, Total	33 J	100
Potassium, Total	1700 J	---
Selenium, Total	ND	1.3
Sodium, Total	600 J	---
Thallium, Total	ND	2.6
Vanadium, Total	25	550
Zinc, Total	80	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.54	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	1.2	0.15
Nickel, TCLP	ND	0.1
Zinc, TCLP	ND	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.014 J	0.05
Barium, SPLP	0.22 J	2
Beryllium, SPLP	ND	0.004
Chromium, SPLP	0.046	0.1
Cobalt, SPLP	0.012 J	1
Copper, SPLP	0.18	0.65
Iron, SPLP	52 J+	5
Lead, SPLP	0.2	0.0075
Manganese, SPLP	0.19	0.15
Nickel, SPLP	0.035	0.1
Zinc, SPLP	0.5	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 low.

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: 500-94620-1
Client Project/Site: IDOT - Wheeling - WO 014

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/23/2015 1:59:07 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: DP-1(0-5)-041315
Date Collected: 04/13/15 07:45
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-1
Matrix: Solid
Percent Solids: 77.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.5		6.5	2.8	ug/Kg	☼		04/16/15 11:37	1
Benzene	<6.5		6.5	0.89	ug/Kg	☼		04/16/15 11:37	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		04/16/15 11:37	1
Bromoform	<6.5		6.5	1.5	ug/Kg	☼		04/16/15 11:37	1
Bromomethane	<6.5		6.5	2.0	ug/Kg	☼		04/16/15 11:37	1
Carbon disulfide	<6.5		6.5	0.97	ug/Kg	☼		04/16/15 11:37	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	☼		04/16/15 11:37	1
Chlorobenzene	<6.5		6.5	0.66	ug/Kg	☼		04/16/15 11:37	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	☼		04/16/15 11:37	1
Chloroform	<6.5		6.5	0.74	ug/Kg	☼		04/16/15 11:37	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	☼		04/16/15 11:37	1
cis-1,2-Dichloroethene	<6.5		6.5	0.91	ug/Kg	☼		04/16/15 11:37	1
cis-1,3-Dichloropropene	<6.5		6.5	0.85	ug/Kg	☼		04/16/15 11:37	1
Dibromochloromethane	<6.5		6.5	1.1	ug/Kg	☼		04/16/15 11:37	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	☼		04/16/15 11:37	1
1,2-Dichloroethane	<6.5		6.5	0.96	ug/Kg	☼		04/16/15 11:37	1
1,1-Dichloroethene	<6.5		6.5	1.0	ug/Kg	☼		04/16/15 11:37	1
1,2-Dichloropropane	<6.5		6.5	0.98	ug/Kg	☼		04/16/15 11:37	1
1,3-Dichloropropene, Total	<6.5		6.5	0.85	ug/Kg	☼		04/16/15 11:37	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	☼		04/16/15 11:37	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	☼		04/16/15 11:37	1
Methylene Chloride	<6.5		6.5	1.7	ug/Kg	☼		04/16/15 11:37	1
Methyl Ethyl Ketone	<6.5		6.5	2.3	ug/Kg	☼		04/16/15 11:37	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	☼		04/16/15 11:37	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	☼		04/16/15 11:37	1
Styrene	<6.5		6.5	0.85	ug/Kg	☼		04/16/15 11:37	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	☼		04/16/15 11:37	1
Tetrachloroethene	<6.5		6.5	0.99	ug/Kg	☼		04/16/15 11:37	1
Toluene	<6.5		6.5	0.91	ug/Kg	☼		04/16/15 11:37	1
trans-1,2-Dichloroethene	<6.5		6.5	0.89	ug/Kg	☼		04/16/15 11:37	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	☼		04/16/15 11:37	1
1,1,1-Trichloroethane	<6.5		6.5	0.97	ug/Kg	☼		04/16/15 11:37	1
1,1,2-Trichloroethane	<6.5		6.5	0.88	ug/Kg	☼		04/16/15 11:37	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	☼		04/16/15 11:37	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	☼		04/16/15 11:37	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		04/16/15 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*04/16/15 11:37*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*04/16/15 11:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*04/16/15 11:37*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/16/15 11:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: DP-1(0-5)-041315
Date Collected: 04/13/15 07:45
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-1
Matrix: Solid
Percent Solids: 77.3

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	☼	04/15/15 16:09	04/21/15 05:27	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2,4-Dinitrophenol	<840	*	840	740	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2-Methylnaphthalene	<41		41	7.7	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2-Methylphenol	<210		210	67	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
2-Nitrophenol	<410		410	99	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
4,6-Dinitro-2-methylphenol	<410	*	410	340	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Anthracene	<41		41	7.0	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Benzo[a]anthracene	**75**		41	5.6	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Benzo[a]pyrene	**83**		41	8.1	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Benzo[b]fluoranthene	**130**		41	9.0	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Benzo[k]fluoranthene	**50**		41	12	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Carbazole	<210		210	110	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Chrysene	**110**		41	11	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Dibenz(a,h)anthracene	<41		41	8.1	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Dibenzofuran	<210		210	49	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Fluoranthene	**200**		41	7.7	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Fluorene	<41		41	5.9	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Hexachloroethane	<210		210	63	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: DP-1(0-5)-041315
Date Collected: 04/13/15 07:45
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-1
Matrix: Solid
Percent Solids: 77.3

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	**62**		41	11	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Isophorone	<210		210	47	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Naphthalene	<41		41	6.4	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Nitrobenzene	<41		41	10	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Phenanthrene	**64**		41	5.8	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Phenol	<210		210	93	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1
Pyrene	**150**		41	8.3	ug/Kg	☼	04/15/15 16:09	04/21/15 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*44*		*35 - 137*	*04/15/15 16:09*	*04/21/15 05:27*	*1*
2-Fluorobiphenyl	*45*		*25 - 119*	*04/15/15 16:09*	*04/21/15 05:27*	*1*
2-Fluorophenol	*40*		*25 - 110*	*04/15/15 16:09*	*04/21/15 05:27*	*1*
Nitrobenzene-d5	*41*		*25 - 115*	*04/15/15 16:09*	*04/21/15 05:27*	*1*
Phenol-d5	*38*		*31 - 110*	*04/15/15 16:09*	*04/21/15 05:27*	*1*
Terphenyl-d14	*68*		*36 - 134*	*04/15/15 16:09*	*04/21/15 05:27*	*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		04/19/15 15:00	04/20/15 11:30	1
Barium	**0.54**		0.50	0.050	mg/L		04/19/15 15:00	04/20/15 11:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 11:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 11:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:30	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:30	1
Copper	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:30	1
Iron	<0.20		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 11:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 11:30	1
Manganese	**1.2**		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:30	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:30	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 11:30	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:30	1
Zinc	<0.10		0.10	0.020	mg/L		04/19/15 15:00	04/20/15 11:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.014**	**J**	0.050	0.010	mg/L		04/19/15 14:30	04/20/15 18:13	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		04/19/15 14:30	04/20/15 18:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 14:30	04/20/15 18:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 18:13	1
Chromium	**0.046**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:13	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:13	1
Copper	**0.18**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:13	1
Iron	**52**		0.20	0.20	mg/L		04/19/15 14:30	04/20/15 18:13	1
Lead	**0.20**		0.0075	0.0075	mg/L		04/19/15 14:30	04/20/15 18:13	1
Manganese	**0.19**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:13	1
Nickel	**0.035**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:13	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 18:13	1

Client Sample ID: DP-1(0-5)-041315
Date Collected: 04/13/15 07:45
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-1
Matrix: Solid

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		04/19/15 14:30	04/20/15 18:13	1
Zinc	**0.50**		0.10	0.020	mg/L		04/19/15 14:30	04/20/15 18:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3	F1	1.3	0.27	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Arsenic	**7.6**	**F1 F2**	0.65	0.30	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Barium	**84**	**F1**	0.65	0.12	mg/Kg	☼	04/16/15 09:10	04/17/15 22:48	1
Beryllium	**0.74**		0.26	0.056	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Cadmium	**0.22**	**F1**	0.13	0.037	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Calcium	**27000**	**F2**	13	4.2	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Chromium	**19**		0.65	0.11	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Cobalt	**14**		0.32	0.073	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Copper	**21**		0.65	0.14	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Iron	**23000**	**F2**	13	5.0	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Lead	**36**		0.32	0.16	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Magnesium	**15000**	**F2**	6.5	2.6	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Manganese	**460**		0.65	0.13	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Nickel	**33**		0.65	0.18	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Potassium	**1700**	**F1**	32	5.3	mg/Kg	☼	04/16/15 09:10	04/17/15 22:48	1
Selenium	<0.65	F1	0.65	0.32	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Silver	<0.32	F1	0.32	0.076	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Sodium	**600**		65	8.5	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Thallium	<0.65		0.65	0.32	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Vanadium	**25**		0.32	0.094	mg/Kg	☼	04/16/15 09:10	04/16/15 20:45	1
Zinc	**80**		1.3	0.41	mg/Kg	☼	04/16/15 09:10	04/17/15 22:48	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		04/20/15 13:30	04/21/15 10:51	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		04/20/15 13:30	04/21/15 11:48	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	**50**	**F1**	20	6.9	ug/Kg	☼	04/15/15 14:00	04/16/15 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.28**		0.200	0.200	SU			04/16/15 15:12	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-94620 COC

(optional)

Report To
Contact: S. Babuskumar
Company: Weston Solutions
Address: 300 Plaza Circle
Address: Mundelein IL
Phone:
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-94620

Chain of Custody Number:

Page 1 of

Temperature °C of Cooler: 3.3, 3.5, 2.9, 3.0

Client	Client Project #
Weston	IDOT 014
Project Name	
IDOT 014 Wheeling	
Project Location/State	**Lab Project #**
Wheeling, IL	
Sampler	**Lab PM**
Colonis	Wrings

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	metals	TCLP/SPLP	pH
1		DP-1(0-5)-041315	4/13	0745	2	S						
2		VL-1(0-5)-041315	4/13	0755	2	S						
3		VL-2(0-5)-041315	4/13	0805	2	S						
4		VL-2(5-10)-041315	4/13	0810	2	S						
5		VL-2(10-15)-041315	4/13	0815	2	S						
6		P66-2(0-5)-041315	4/13	0910	2	S						
7		P66-2(0-5)-041315D	4/13	0910	2	S						
8		P66-2(5-10)-041315	4/13	0915	2	S						
9		P66-2(10-15)-041315	4/13	0920	2	S						
10		P66-1(0-5)-041315	4/13	0840	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

Comments

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Std 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	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/13/15	1500		TA	4/13/15	1500
	TA	4/14/15	1300		TA-CHI	4/14/15	1300

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

4/23/2015

Illinois Environmental Protection Agency

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; IL 83 to McHenry/Wheeling Rd Office Phone Number, if available: _____

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

801-821 Valley Stream Drive (ISGS Site No. 2646-5)

City: Wheeling State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.140287667 (Decimal Degrees) Longitude: -87.936788858 (-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

Project Name: FAP 343: IL 68; IL 83 to McHenry/Wheeling Rd

Latitude: 42.140287667 Longitude: -87.936788858

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 AB-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2646-5. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-94620-1.
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 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 JUNE 2015
Date:

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

Summary Table of ISGS Site No. 2646-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL 68 (W. Dundee Rd) from IL 83 to McHenry/Wheeling Road
Wheeling, Cook County, Illinois

Field Sample ID	AB-1(0-1)-041315	**Soil Reference Concentrations[A]**
Sample Date	4/13/2015	
Location ID	AB-1	
Depth	0 - 1	
ISGS Site No.	2646-5	
Parameter		
Laboratory pH (s.u.)	8.22	<6.25,>9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)	**No Exceedances**	
Total Metals (mg/kg)		
Antimony, Total	ND	5
Arsenic, Total	4.8 J	11.3 / 13
Barium, Total	82 J-	1500
Beryllium, Total	0.47	22
Cadmium, Total	0.2 J-	5.2
Calcium, Total	83000 J	---
Chromium, Total	12	21
Cobalt, Total	7.8 J	20
Copper, Total	12	2900
Iron, Total	12000 J	15000 / 15900
Lead, Total	41 J-	107
Magnesium, Total	35000 J	325000
Manganese, Total	410 J	630 / 636
Mercury, Total	0.027 J+	0.89
Nickel, Total	16 J	100
Potassium, Total	1100 J	---
Selenium, Total	0.38 J	1.3
Sodium, Total	950 J	---
Thallium, Total	ND	2.6
Vanadium, Total	20	550
Zinc, Total	53	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.72	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	0.26	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.49	0.15
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.09 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.041 J	0.05
Barium, SPLP	0.83	2
Beryllium, SPLP	0.005	0.004
Chromium, SPLP	0.14	0.1
Cobalt, SPLP	0.031	1
Copper, SPLP	0.1	0.65
Iron, SPLP	130 J+	5
Lead, SPLP	0.17	0.0075
Manganese, SPLP	1.2	0.15
Nickel, SPLP	0.095	0.1
Zinc, SPLP	0.59	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 low.

J+ - Estimated concentration, biased high.

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

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94620-1
Client Project/Site: IDOT - Wheeling - WO 014

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/23/2015 1:59:07 PM

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

Client Sample ID: AB-1(0-1)-041315
Date Collected: 04/13/15 08:50
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-16
Matrix: Solid
Percent Solids: 82.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/16/15 19:43	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		04/16/15 19:43	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/16/15 19:43	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/16/15 19:43	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/16/15 19:43	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/16/15 19:43	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/16/15 19:43	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/16/15 19:43	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/16/15 19:43	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/16/15 19:43	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/16/15 19:43	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/16/15 19:43	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/16/15 19:43	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/16/15 19:43	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/16/15 19:43	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/16/15 19:43	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	☼		04/16/15 19:43	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		04/16/15 19:43	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/16/15 19:43	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/16/15 19:43	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/16/15 19:43	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/16/15 19:43	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/16/15 19:43	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/16/15 19:43	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		04/16/15 19:43	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/16/15 19:43	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/16/15 19:43	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/16/15 19:43	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/16/15 19:43	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/16/15 19:43	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/16/15 19:43	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/16/15 19:43	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/16/15 19:43	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		04/16/15 19:43	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/16/15 19:43	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/16/15 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*04/16/15 19:43*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*04/16/15 19:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/16/15 19:43*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/16/15 19:43*	*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	☼	04/17/15 15:59	04/21/15 03:44	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: AB-1(0-1)-041315
Date Collected: 04/13/15 08:50
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-16
Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2,4-Dinitrophenol	<800	*	800	700	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Benzo[a]anthracene	**81**		39	5.3	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Benzo[a]pyrene	**86**		39	7.7	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Benzo[b]fluoranthene	**150**		39	8.5	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Benzo[g,h,i]perylene	**87**		39	13	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Benzo[k]fluoranthene	**54**		39	12	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Bis(2-ethylhexyl) phthalate	**78**	**J**	200	72	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Carbazole	<200		200	100	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Chrysene	**100**		39	11	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Fluoranthene	**180**		39	7.3	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: AB-1(0-1)-041315
Date Collected: 04/13/15 08:50
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-16
Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	78		39	10	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Isophorone	<200		200	44	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Phenanthrene	58		39	5.5	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Phenol	<200		200	88	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1
Pyrene	160		39	7.9	ug/Kg	☼	04/17/15 15:59	04/21/15 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*35 - 137*	*04/17/15 15:59*	*04/21/15 03:44*	*1*
2-Fluorobiphenyl	*54*		*25 - 119*	*04/17/15 15:59*	*04/21/15 03:44*	*1*
2-Fluorophenol	*51*		*25 - 110*	*04/17/15 15:59*	*04/21/15 03:44*	*1*
Nitrobenzene-d5	*49*		*25 - 115*	*04/17/15 15:59*	*04/21/15 03:44*	*1*
Phenol-d5	*55*		*31 - 110*	*04/17/15 15:59*	*04/21/15 03:44*	*1*
Terphenyl-d14	*79*		*36 - 134*	*04/17/15 15:59*	*04/21/15 03:44*	*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		04/19/15 15:00	04/20/15 13:13	1
Barium	0.72		0.50	0.050	mg/L		04/19/15 15:00	04/20/15 13:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 13:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 13:13	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:13	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:13	1
Copper	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:13	1
Iron	0.26		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 13:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 13:13	1
Manganese	0.49		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:13	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:13	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 13:13	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:13	1
Zinc	0.090	J	0.10	0.020	mg/L		04/19/15 15:00	04/20/15 13:13	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		04/19/15 14:30	04/20/15 20:35	1
Barium	0.83		0.50	0.050	mg/L		04/19/15 14:30	04/21/15 14:52	1
Beryllium	0.0050		0.0040	0.0040	mg/L		04/19/15 14:30	04/21/15 14:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 20:35	1
Chromium	0.14		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:35	1
Cobalt	0.031		0.025	0.010	mg/L		04/19/15 14:30	04/21/15 14:52	1
Copper	0.10		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:35	1
Iron	130		0.20	0.20	mg/L		04/19/15 14:30	04/21/15 14:52	1
Lead	0.17		0.0075	0.0075	mg/L		04/19/15 14:30	04/21/15 14:52	1
Manganese	1.2		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:35	1
Nickel	0.095		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:35	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 20:35	1

Client Sample ID: AB-1(0-1)-041315
Date Collected: 04/13/15 08:50
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-16
Matrix: Solid

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		04/19/15 14:30	04/20/15 20:35	1
Zinc	**0.59**		0.10	0.020	mg/L		04/19/15 14:30	04/21/15 14:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Arsenic	**4.8**		0.57	0.26	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Barium	**82**		0.57	0.10	mg/Kg	☼	04/16/15 09:10	04/18/15 00:31	1
Beryllium	**0.47**		0.23	0.049	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Cadmium	**0.20**		0.11	0.033	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Calcium	**83000**		110	37	mg/Kg	☼	04/16/15 09:10	04/18/15 01:31	10
Chromium	**12**		0.57	0.098	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Cobalt	**7.8**		0.28	0.064	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Copper	**12**		0.57	0.12	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Iron	**12000**		11	4.4	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Lead	**41**		0.28	0.14	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Magnesium	**35000**		5.7	2.3	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Manganese	**410**		0.57	0.11	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Nickel	**16**		0.57	0.15	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Potassium	**1100**		28	4.6	mg/Kg	☼	04/16/15 09:10	04/18/15 00:31	1
Selenium	**0.38**	**J**	0.57	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Sodium	**950**		57	7.5	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Vanadium	**20**		0.28	0.083	mg/Kg	☼	04/16/15 09:10	04/16/15 22:20	1
Zinc	**53**		1.1	0.36	mg/Kg	☼	04/16/15 09:10	04/18/15 00:31	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		04/20/15 13:30	04/21/15 11:32	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		04/20/15 13:30	04/21/15 12:29	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	**27**		19	6.6	ug/Kg	☼	04/15/15 14:00	04/16/15 13:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.22**		0.200	0.200	SU			04/17/15 14:56	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions
Address: 300 Pierce Circle
Address: Mundelein, IL
Phone:
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-94620

Chain of Custody Number:

Page 2 of

Temperature °C of Cooler:

Client	Client Project #
Weston	1007 014
Project Name: 1007 014 Wheeling	
Project Location/State: Wheeling / IL	Lab Project #
Sampler: Colomb	Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	Metals	TCLP/SPLP	PH	Comments
11		CB8-1 (0-5)-041315	4/13	0955	2	S						
12		CB8-2 (0-5)-041315	4/13	0957	2	S						
13		CB8-2 (5-10)-041315	4/13	1000	2	S						
14		CB8-2 (10-15)-041315	4/13	1005	2	S						
15		AM-1 (0-5)-041315	4/13	0845	2	S						
16		AB-1 (0-1)-041315	4/13	0850	2	S						
17		SH-1 (0-5)-041315	4/13	1020	2	S						
18		SH-1 (5-10)-041315	4/13	1025	2	S						
19		SH-1 (10-15)-041315	4/13	1030	2	S						
20		SH-1 (10-15)-041315D	4/13	1030	2	S						

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/13/15	1500		TA	4/13/15	1500
	TA	4/14/15	1300		TA CHI	4/14/15	1300

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

Illinois Environmental Protection Agency

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; IL 83 to McHenry/Wheeling Rd Office Phone Number, if available: _____

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

15-33 Elmhurst Road (ISGS Site No. 2646-8)

City: Wheeling State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.139683809 (Decimal Degrees) Longitude: -87.936506433 (-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; IL 83 to McHenry/Wheeling Rd

Latitude: 42.139683809 Longitude: -87.936506433

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 CB8-1 AND CB8-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2646-8. 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 REPORT - JOB ID: 500-94620-1.
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 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or Licensed Professional Geologist Signature:

25 JUNE 2015
Date:

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

Summary Table of ISGS Site No. 2646-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL 68 (W. Dundee Rd) from IL 83 to McHenry/Wheeling Road
Wheeling, Cook County, Illinois

Field Sample ID	CB8-1(0-5)-041315	CB8-2(0-5)-041315	CB8-2(5-10)-041315	CB8-2(10-15)-041315	Soil Reference Concentrations[A]
Sample Date	4/13/2015	4/13/2015	4/13/2015	4/13/2015	
Location ID	CB8-1	CB8-2	CB8-2	CB8-2	
Depth	0 - 5	0 - 5	5 - 10	10 - 15	
ISGS Site No.	2646-8	2646-8	2646-8	2646-8	
Parameter					
Laboratory pH (s.u.)	8.55	7.89	7.76	7.84	<6.25,>9.0
VOCs (ug/kg)	None Detected				
SVOCs (ug/kg)					
Benzo(a)pyrene	89	93	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Antimony, Total	ND	ND	ND	ND	5
Arsenic, Total	6 J	7.6 J	5.7 J	11 J	11.3 / 13
Barium, Total	64 J-	51 J-	56 J-	32 J-	1500
Beryllium, Total	0.59	0.45	0.54	0.38	22
Cadmium, Total	0.31 J-	0.25 J-	0.19 J-	0.29 J-	5.2
Calcium, Total	25000 J	61000 J	48000 J	29000 J	---
Chromium, Total	18	12	14	11	21
Cobalt, Total	8.2 J	8.5 J	8.3 J	6.3 J	20
Copper, Total	23	18	17	15	2900
Iron, Total	16000 J	17000 J	15000 J	15000 J	15000 / 15900
Lead, Total	100 J-	42 J-	18 J-	30 J-	107
Magnesium, Total	14000 J	27000 J	22000 J	16000 J	325000
Manganese, Total	310 J	310 J	240 J	230 J	630 / 636
Mercury, Total	0.038 J+	0.039 J+	0.02 J+	0.017 J	0.89
Nickel, Total	23 J	22 J	21 J	16 J	100
Potassium, Total	1600 J	1000 J	1200 J	820 J	---
Selenium, Total	0.62 J-	0.3 J	0.45 J	0.57 J-	1.3
Sodium, Total	1600 J	190 J	140 J	170 J	---
Thallium, Total	ND	ND	0.65	ND	2.6
Vanadium, Total	21	16	19	15	550
Zinc, Total	100	72	61	53	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	0.01 J	0.011 J	0.05
Barium, TCLP	0.33 J	0.55	0.17 J	0.3 J	2
Cadmium, TCLP	ND	ND	0.002 J	ND	0.005
Cobalt, TCLP	ND	ND	ND	0.011 J	1
Copper, TCLP	ND	ND	0.011 J	ND	0.65
Iron, TCLP	0.24	0.28	0.27	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.7	1.1	0.94	1.8	0.15
Nickel, TCLP	ND	ND	0.023 J	0.016 J	0.1
Zinc, TCLP	0.051 J	0.07 J	0.057 J	0.047 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.027 J	ND	ND	ND	0.05
Barium, SPLP	0.49 J	0.14 J	0.054 J	0.056 J	2
Beryllium, SPLP	0.0045	ND	ND	ND	0.004
Chromium, SPLP	0.13	0.019 J	ND	ND	0.1
Cobalt, SPLP	0.03	ND	ND	ND	1
Copper, SPLP	0.099	0.02 J	ND	0.01 J	0.65
Iron, SPLP	99 J+	12 J+	ND	0.21 J+	5
Lead, SPLP	0.12	0.02	ND	ND	0.0075
Manganese, SPLP	0.64	0.077	ND	ND	0.15
Nickel, SPLP	0.098	0.012 J	ND	ND	0.1
Zinc, SPLP	0.4	0.14	0.048 J	0.13	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 low.

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: 500-94620-1
Client Project/Site: IDOT - Wheeling - WO 014

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/23/2015 1:59:07 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-1(0-5)-041315
Date Collected: 04/13/15 09:55
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-11
Matrix: Solid
Percent Solids: 81.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		04/16/15 17:35	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		04/16/15 17:35	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/16/15 17:35	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/16/15 17:35	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/16/15 17:35	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		04/16/15 17:35	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/16/15 17:35	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/16/15 17:35	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/16/15 17:35	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		04/16/15 17:35	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/16/15 17:35	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		04/16/15 17:35	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		04/16/15 17:35	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/16/15 17:35	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/16/15 17:35	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/16/15 17:35	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/16/15 17:35	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		04/16/15 17:35	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		04/16/15 17:35	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		04/16/15 17:35	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/16/15 17:35	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/16/15 17:35	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		04/16/15 17:35	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/16/15 17:35	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/16/15 17:35	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		04/16/15 17:35	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		04/16/15 17:35	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		04/16/15 17:35	1
Toluene	<6.2		6.2	0.86	ug/Kg	☼		04/16/15 17:35	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		04/16/15 17:35	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/16/15 17:35	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/16/15 17:35	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		04/16/15 17:35	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/16/15 17:35	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/16/15 17:35	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/16/15 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*04/16/15 17:35*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*04/16/15 17:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/16/15 17:35*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/16/15 17:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-1(0-5)-041315
Date Collected: 04/13/15 09:55
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-11
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2,4-Dinitrophenol	<830	*	830	720	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2-Methylnaphthalene	<41		41	7.5	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2-Methylphenol	<210		210	66	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Anthracene	<41		41	6.8	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Benzo[a]anthracene	**90**		41	5.5	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Benzo[a]pyrene	**89**		41	7.9	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Benzo[b]fluoranthene	**130**		41	8.8	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Benzo[g,h,i]perylene	**76**		41	13	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Benzo[k]fluoranthene	**55**		41	12	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Carbazole	<210		210	110	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Chrysene	**110**		41	11	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Dibenzofuran	<210		210	48	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Fluoranthene	**200**		41	7.6	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Fluorene	<41		41	5.8	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Hexachloroethane	<210		210	62	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-1(0-5)-041315
Date Collected: 04/13/15 09:55
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-11
Matrix: Solid
Percent Solids: 81.0

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	67		41	11	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Isophorone	<210		210	46	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Naphthalene	<41		41	6.3	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Nitrobenzene	<41		41	10	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
N-Nitrosodi-n-propylamine	<210		210	50	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Phenanthrene	76		41	5.7	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Phenol	<210		210	91	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1
Pyrene	180		41	8.1	ug/Kg	☼	04/17/15 15:59	04/21/15 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*40*		*35 - 137*	*04/17/15 15:59*	*04/21/15 02:00*	*1*
2-Fluorobiphenyl	*39*		*25 - 119*	*04/17/15 15:59*	*04/21/15 02:00*	*1*
2-Fluorophenol	*35*		*25 - 110*	*04/17/15 15:59*	*04/21/15 02:00*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*04/17/15 15:59*	*04/21/15 02:00*	*1*
Phenol-d5	*36*		*31 - 110*	*04/17/15 15:59*	*04/21/15 02:00*	*1*
Terphenyl-d14	*54*		*36 - 134*	*04/17/15 15:59*	*04/21/15 02:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/19/15 15:00	04/20/15 12:47	1
Barium	0.33	J	0.50	0.050	mg/L		04/19/15 15:00	04/20/15 12:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 12:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 12:47	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:47	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:47	1
Copper	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:47	1
Iron	0.24		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 12:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 12:47	1
Manganese	0.70		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:47	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:47	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 12:47	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:47	1
Zinc	0.051	J	0.10	0.020	mg/L		04/19/15 15:00	04/20/15 12:47	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		04/19/15 14:30	04/20/15 19:49	1
Barium	0.49	J	0.50	0.050	mg/L		04/19/15 14:30	04/21/15 14:06	1
Beryllium	0.0045		0.0040	0.0040	mg/L		04/19/15 14:30	04/21/15 14:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 19:49	1
Chromium	0.13		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 19:49	1
Cobalt	0.030		0.025	0.010	mg/L		04/19/15 14:30	04/21/15 14:06	1
Copper	0.099		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 19:49	1
Iron	99		0.20	0.20	mg/L		04/19/15 14:30	04/21/15 14:06	1
Lead	0.12		0.0075	0.0075	mg/L		04/19/15 14:30	04/21/15 14:06	1
Manganese	0.64		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 19:49	1
Nickel	0.098		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 19:49	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 19:49	1

Client Sample ID: CB8-1(0-5)-041315
Date Collected: 04/13/15 09:55
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-11
Matrix: Solid

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		04/19/15 14:30	04/20/15 19:49	1
Zinc	**0.40**		0.10	0.020	mg/L		04/19/15 14:30	04/21/15 14:06	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	☼	04/16/15 09:10	04/16/15 21:55	1
Arsenic	**6.0**		0.56	0.26	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Barium	**64**		0.56	0.10	mg/Kg	☼	04/16/15 09:10	04/18/15 00:06	1
Beryllium	**0.59**		0.23	0.049	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Cadmium	**0.31**		0.11	0.033	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Calcium	**25000**		11	3.6	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Chromium	**18**		0.56	0.097	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Cobalt	**8.2**		0.28	0.064	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Copper	**23**		0.56	0.12	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Iron	**16000**		11	4.3	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Lead	**100**		0.28	0.14	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Magnesium	**14000**		5.6	2.3	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Manganese	**310**		0.56	0.11	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Nickel	**23**		0.56	0.15	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Potassium	**1600**		28	4.6	mg/Kg	☼	04/16/15 09:10	04/18/15 00:06	1
Selenium	**0.62**		0.56	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Sodium	**1600**		56	7.4	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Vanadium	**21**		0.28	0.082	mg/Kg	☼	04/16/15 09:10	04/16/15 21:55	1
Zinc	**100**		1.1	0.36	mg/Kg	☼	04/16/15 09:10	04/18/15 00:06	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		04/20/15 13:30	04/21/15 11:18	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		04/20/15 13:30	04/21/15 12:19	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	**38**		19	6.7	ug/Kg	☼	04/15/15 14:00	04/16/15 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.55**		0.200	0.200	SU			04/17/15 14:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(0-5)-041315
Date Collected: 04/13/15 09:57
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-12
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/16/15 18:01	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/16/15 18:01	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/16/15 18:01	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/16/15 18:01	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/16/15 18:01	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/16/15 18:01	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/16/15 18:01	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/16/15 18:01	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/16/15 18:01	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/16/15 18:01	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/16/15 18:01	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/16/15 18:01	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/16/15 18:01	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/16/15 18:01	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/16/15 18:01	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/16/15 18:01	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/16/15 18:01	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/16/15 18:01	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/16/15 18:01	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/16/15 18:01	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/16/15 18:01	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/16/15 18:01	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/16/15 18:01	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/16/15 18:01	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/16/15 18:01	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/16/15 18:01	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/16/15 18:01	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/16/15 18:01	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/16/15 18:01	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/16/15 18:01	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/16/15 18:01	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/16/15 18:01	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/16/15 18:01	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/16/15 18:01	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/16/15 18:01	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/16/15 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*04/16/15 18:01*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/16/15 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/16/15 18:01*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/16/15 18:01*	*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	☼	04/17/15 15:59	04/21/15 02:21	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(0-5)-041315
Date Collected: 04/13/15 09:57
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-12
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Anthracene	**12**	**J**	37	6.3	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Benzo[a]anthracene	**86**		37	5.1	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Benzo[a]pyrene	**93**		37	7.3	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Benzo[b]fluoranthene	**150**		37	8.1	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Benzo[g,h,i]perylene	**77**		37	12	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Benzo[k]fluoranthene	**63**		37	11	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Bis(2-ethylhexyl) phthalate	**230**		190	69	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Carbazole	<190		190	97	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Chrysene	**110**		37	10	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Fluoranthene	**200**		37	7.0	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(0-5)-041315
Date Collected: 04/13/15 09:57
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-12
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	70		37	9.8	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Isophorone	<190		190	42	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Phenanthrene	97		37	5.2	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Phenol	<190		190	84	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1
Pyrene	300		37	7.5	ug/Kg	☼	04/17/15 15:59	04/21/15 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*04/17/15 15:59*	*04/21/15 02:21*	*1*
2-Fluorobiphenyl	*52*		*25 - 119*	*04/17/15 15:59*	*04/21/15 02:21*	*1*
2-Fluorophenol	*50*		*25 - 110*	*04/17/15 15:59*	*04/21/15 02:21*	*1*
Nitrobenzene-d5	*50*		*25 - 115*	*04/17/15 15:59*	*04/21/15 02:21*	*1*
Phenol-d5	*50*		*31 - 110*	*04/17/15 15:59*	*04/21/15 02:21*	*1*
Terphenyl-d14	*123*		*36 - 134*	*04/17/15 15:59*	*04/21/15 02:21*	*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		04/19/15 15:00	04/20/15 12:52	1
Barium	0.55		0.50	0.050	mg/L		04/19/15 15:00	04/20/15 12:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 12:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 12:52	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:52	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:52	1
Copper	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:52	1
Iron	0.28		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 12:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 12:52	1
Manganese	1.1		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:52	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:52	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 12:52	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:52	1
Zinc	0.070	J	0.10	0.020	mg/L		04/19/15 15:00	04/20/15 12:52	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		04/19/15 14:30	04/20/15 20:10	1
Barium	0.14	J	0.50	0.050	mg/L		04/19/15 14:30	04/21/15 14:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 14:30	04/21/15 14:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 20:10	1
Chromium	0.019	J	0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:10	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/21/15 14:27	1
Copper	0.020	J	0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:10	1
Iron	12		0.20	0.20	mg/L		04/19/15 14:30	04/21/15 14:27	1
Lead	0.020		0.0075	0.0075	mg/L		04/19/15 14:30	04/21/15 14:27	1
Manganese	0.077		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:10	1
Nickel	0.012	J	0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:10	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 20:10	1

Client Sample ID: CB8-2(0-5)-041315
Date Collected: 04/13/15 09:57
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-12
Matrix: Solid

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		04/19/15 14:30	04/20/15 20:10	1
Zinc	**0.14**		0.10	0.020	mg/L		04/19/15 14:30	04/21/15 14:27	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	☼	04/16/15 09:10	04/16/15 22:00	1
Arsenic	**7.6**		0.55	0.25	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Barium	**51**		0.55	0.10	mg/Kg	☼	04/16/15 09:10	04/18/15 00:11	1
Beryllium	**0.45**		0.22	0.048	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Cadmium	**0.25**		0.11	0.032	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Calcium	**61000**		110	35	mg/Kg	☼	04/16/15 09:10	04/18/15 01:19	10
Chromium	**12**		0.55	0.094	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Cobalt	**8.5**		0.27	0.062	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Copper	**18**		0.55	0.12	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Iron	**17000**		11	4.2	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Lead	**42**		0.27	0.14	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Magnesium	**27000**		5.5	2.2	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Manganese	**310**		0.55	0.11	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Nickel	**22**		0.55	0.15	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Potassium	**1000**		27	4.5	mg/Kg	☼	04/16/15 09:10	04/18/15 00:11	1
Selenium	**0.30**	**J**	0.55	0.27	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Sodium	**190**		55	7.2	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Vanadium	**16**		0.27	0.080	mg/Kg	☼	04/16/15 09:10	04/16/15 22:00	1
Zinc	**72**		1.1	0.35	mg/Kg	☼	04/16/15 09:10	04/18/15 00:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/20/15 13:30	04/21/15 11:20	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		04/20/15 13:30	04/21/15 12:21	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	**39**		20	6.8	ug/Kg	☼	04/15/15 14:00	04/16/15 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.89**		0.200	0.200	SU			04/17/15 14:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(5-10)-041315
Date Collected: 04/13/15 10:00
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-13
Matrix: Solid
Percent Solids: 86.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/16/15 18:26	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/16/15 18:26	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/16/15 18:26	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/16/15 18:26	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/16/15 18:26	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/16/15 18:26	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/16/15 18:26	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/16/15 18:26	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/16/15 18:26	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/16/15 18:26	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/16/15 18:26	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/16/15 18:26	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/16/15 18:26	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/16/15 18:26	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/16/15 18:26	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/16/15 18:26	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/16/15 18:26	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/16/15 18:26	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/16/15 18:26	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/16/15 18:26	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/16/15 18:26	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/16/15 18:26	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/16/15 18:26	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/16/15 18:26	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/16/15 18:26	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/16/15 18:26	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/16/15 18:26	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/16/15 18:26	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/16/15 18:26	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/16/15 18:26	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/16/15 18:26	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/16/15 18:26	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/16/15 18:26	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/16/15 18:26	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/16/15 18:26	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/16/15 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*04/16/15 18:26*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*04/16/15 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*04/16/15 18:26*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/16/15 18:26*	*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	☼	04/17/15 15:59	04/21/15 02:42	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(5-10)-041315
Date Collected: 04/13/15 10:00
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-13
Matrix: Solid
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	☼	04/17/15 15:59	04/21/15 02:42	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2,4-Dinitrophenol	<740	*	740	650	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
4-Bromophenyl phenyl ether	<180		180	49	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Anthracene	<37		37	6.1	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Benzo[a]anthracene	**7.7**	**J**	37	4.9	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Benzo[b]fluoranthene	<37		37	7.9	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Bis(2-chloroethoxy)methane	<180		180	38	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Bis(2-ethylhexyl) phthalate	**81**	**J**	180	67	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Carbazole	<180		180	95	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Chrysene	**13**	**J**	37	10	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Fluoranthene	**15**	**J**	37	6.8	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Hexachloroethane	<180		180	56	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(5-10)-041315
Date Collected: 04/13/15 10:00
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-13
Matrix: Solid
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	☼	04/17/15 15:59	04/21/15 02:42	1
Isophorone	<180		180	41	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Phenanthrene	**16**	**J**	37	5.1	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Phenol	<180		180	82	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1
Pyrene	**16**	**J**	37	7.3	ug/Kg	☼	04/17/15 15:59	04/21/15 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*04/17/15 15:59*	*04/21/15 02:42*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*04/17/15 15:59*	*04/21/15 02:42*	*1*
2-Fluorophenol	*54*		*25 - 110*	*04/17/15 15:59*	*04/21/15 02:42*	*1*
Nitrobenzene-d5	*51*		*25 - 115*	*04/17/15 15:59*	*04/21/15 02:42*	*1*
Phenol-d5	*59*		*31 - 110*	*04/17/15 15:59*	*04/21/15 02:42*	*1*
Terphenyl-d14	*85*		*36 - 134*	*04/17/15 15:59*	*04/21/15 02:42*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		04/19/15 15:00	04/20/15 12:57	1
Barium	**0.17**	**J**	0.50	0.050	mg/L		04/19/15 15:00	04/20/15 12:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 12:57	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 12:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:57	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:57	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:57	1
Iron	**0.27**		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 12:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 12:57	1
Manganese	**0.94**		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:57	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:57	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 12:57	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:57	1
Zinc	**0.057**	**J**	0.10	0.020	mg/L		04/19/15 15:00	04/20/15 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/19/15 14:30	04/20/15 20:16	1
Barium	**0.054**	**J**	0.50	0.050	mg/L		04/19/15 14:30	04/21/15 14:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 14:30	04/21/15 14:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 20:16	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:16	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/21/15 14:33	1
Copper	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:16	1
Iron	<0.20		0.20	0.20	mg/L		04/19/15 14:30	04/21/15 14:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 14:30	04/21/15 14:33	1
Manganese	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:16	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:16	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 20:16	1

Client Sample ID: CB8-2(5-10)-041315
Date Collected: 04/13/15 10:00
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-13
Matrix: Solid

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		04/19/15 14:30	04/20/15 20:16	1
Zinc	**0.048**	**J**	0.10	0.020	mg/L		04/19/15 14:30	04/21/15 14:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Arsenic	**5.7**		0.57	0.26	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Barium	**56**		0.57	0.10	mg/Kg	☼	04/16/15 09:10	04/18/15 00:16	1
Beryllium	**0.54**		0.23	0.049	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Cadmium	**0.19**		0.11	0.033	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Calcium	**48000**		110	37	mg/Kg	☼	04/16/15 09:10	04/18/15 01:23	10
Chromium	**14**		0.57	0.098	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Cobalt	**8.3**		0.28	0.064	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Copper	**17**		0.57	0.12	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Iron	**15000**		11	4.4	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Lead	**18**		0.28	0.14	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Magnesium	**22000**		5.7	2.3	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Manganese	**240**		0.57	0.11	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Nickel	**21**		0.57	0.15	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Potassium	**1200**		28	4.6	mg/Kg	☼	04/16/15 09:10	04/18/15 00:16	1
Selenium	**0.45**	**J**	0.57	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Sodium	**140**		57	7.5	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Thallium	**0.65**		0.57	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Vanadium	**19**		0.28	0.083	mg/Kg	☼	04/16/15 09:10	04/16/15 22:05	1
Zinc	**61**		1.1	0.36	mg/Kg	☼	04/16/15 09:10	04/18/15 00:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/20/15 13:30	04/21/15 11:22	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		04/20/15 13:30	04/21/15 12:23	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	**20**		19	6.5	ug/Kg	☼	04/15/15 14:00	04/16/15 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.76**		0.200	0.200	SU			04/17/15 14:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(10-15)-041315
Date Collected: 04/13/15 10:05
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-14
Matrix: Solid
Percent Solids: 82.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		6.0	2.6	ug/Kg	☼		04/16/15 18:52	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		04/16/15 18:52	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/16/15 18:52	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/16/15 18:52	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/16/15 18:52	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/16/15 18:52	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/16/15 18:52	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/16/15 18:52	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/16/15 18:52	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/16/15 18:52	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/16/15 18:52	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/16/15 18:52	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/16/15 18:52	1
Dibromochloromethane	<6.0		6.0	1.1	ug/Kg	☼		04/16/15 18:52	1
1,1-Dichloroethane	<6.0		6.0	0.96	ug/Kg	☼		04/16/15 18:52	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/16/15 18:52	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	☼		04/16/15 18:52	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		04/16/15 18:52	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/16/15 18:52	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/16/15 18:52	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/16/15 18:52	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/16/15 18:52	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/16/15 18:52	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/16/15 18:52	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		04/16/15 18:52	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/16/15 18:52	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/16/15 18:52	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/16/15 18:52	1
Toluene	<6.0		6.0	0.85	ug/Kg	☼		04/16/15 18:52	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/16/15 18:52	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/16/15 18:52	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/16/15 18:52	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/16/15 18:52	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		04/16/15 18:52	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/16/15 18:52	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/16/15 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*04/16/15 18:52*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/16/15 18:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*04/16/15 18:52*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/16/15 18:52*	*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	☼	04/17/15 15:59	04/21/15 03:02	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(10-15)-041315
Date Collected: 04/13/15 10:05
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-14
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2,4-Dinitrophenol	<800	*	800	690	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Bis(2-ethylhexyl) phthalate	**100**	**J**	200	72	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Carbazole	<200		200	100	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Chrysene	<39		39	11	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Fluoranthene	**11**	**J**	39	7.3	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Hexachlorobenzene	<80		80	9.1	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: CB8-2(10-15)-041315
Date Collected: 04/13/15 10:05
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-14
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Isophorone	<200		200	44	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Phenol	<200		200	88	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1
Pyrene	**27**	**J**	39	7.8	ug/Kg	☼	04/17/15 15:59	04/21/15 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*04/17/15 15:59*	*04/21/15 03:02*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*04/17/15 15:59*	*04/21/15 03:02*	*1*
2-Fluorophenol	*62*		*25 - 110*	*04/17/15 15:59*	*04/21/15 03:02*	*1*
Nitrobenzene-d5	*57*		*25 - 115*	*04/17/15 15:59*	*04/21/15 03:02*	*1*
Phenol-d5	*65*		*31 - 110*	*04/17/15 15:59*	*04/21/15 03:02*	*1*
Terphenyl-d14	*187*	*X*	*36 - 134*	*04/17/15 15:59*	*04/21/15 03:02*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.011**	**J**	0.050	0.010	mg/L		04/19/15 15:00	04/20/15 13:03	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		04/19/15 15:00	04/20/15 13:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 13:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 13:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:03	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:03	1
Copper	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:03	1
Iron	<0.20		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 13:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 13:03	1
Manganese	**1.8**		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:03	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 13:03	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:03	1
Zinc	**0.047**	**J**	0.10	0.020	mg/L		04/19/15 15:00	04/20/15 13:03	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		04/19/15 14:30	04/20/15 20:22	1
Barium	**0.056**	**J**	0.50	0.050	mg/L		04/19/15 14:30	04/21/15 14:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 14:30	04/21/15 14:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 20:22	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:22	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/21/15 14:39	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:22	1
Iron	**0.21**		0.20	0.20	mg/L		04/19/15 14:30	04/21/15 14:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 14:30	04/21/15 14:39	1
Manganese	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:22	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:22	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 20:22	1

Client Sample ID: CB8-2(10-15)-041315
Date Collected: 04/13/15 10:05
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-14
Matrix: Solid

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		04/19/15 14:30	04/20/15 20:22	1
Zinc	**0.13**		0.10	0.020	mg/L		04/19/15 14:30	04/21/15 14:39	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	☼	04/16/15 09:10	04/16/15 22:10	1
Arsenic	**11**		0.57	0.26	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Barium	**32**		0.57	0.10	mg/Kg	☼	04/16/15 09:10	04/18/15 00:21	1
Beryllium	**0.38**		0.23	0.049	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Cadmium	**0.29**		0.11	0.033	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Calcium	**29000**		11	3.6	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Chromium	**11**		0.57	0.097	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Cobalt	**6.3**		0.28	0.064	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Copper	**15**		0.57	0.12	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Iron	**15000**		11	4.4	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Lead	**30**		0.28	0.14	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Magnesium	**16000**		5.7	2.3	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Manganese	**230**		0.57	0.11	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Nickel	**16**		0.57	0.15	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Potassium	**820**		28	4.6	mg/Kg	☼	04/16/15 09:10	04/18/15 00:21	1
Selenium	**0.57**		0.57	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Sodium	**170**		57	7.5	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Vanadium	**15**		0.28	0.083	mg/Kg	☼	04/16/15 09:10	04/16/15 22:10	1
Zinc	**53**		1.1	0.36	mg/Kg	☼	04/16/15 09:10	04/18/15 00:21	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		04/20/15 13:30	04/21/15 11:24	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		04/20/15 13:30	04/21/15 12:25	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	**17**	**J**	19	6.5	ug/Kg	☼	04/15/15 14:00	04/16/15 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.84**		0.200	0.200	SU			04/17/15 14:52	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions
Address: 300 Pierce Circle
Address: Mundelein, IL
Phone:
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-94620

Chain of Custody Number:

Page 2 of

Temperature °C of Cooler:

Client	Client Project #
Weston	1007 014
Project Name: 1007 014 Wheeling	
Project Location/State: Wheeling / IL	Lab Project #
Sampler: Colomb	Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	Metals	TCLP/SPLP	PH	Comments
11		CB8-1 (0-5)-041315	4/13	0955	2	S						
12		CB8-2 (0-5)-041315	4/13	0957	2	S						
13		CB8-2 (5-10)-041315	4/13	1000	2	S						
14		CB8-2 (10-15)-041315	4/13	1005	2	S						
15		AM-1 (0-5)-041315	4/13	0845	2	S						
16		AB-1 (0-1)-041315	4/13	0850	2	S						
17		SH-1 (0-5)-041315	4/13	1020	2	S						
18		SH-1 (5-10)-041315	4/13	1025	2	S						
19		SH-1 (10-15)-041315	4/13	1030	2	S						
20		SH-1 (10-15)-041315D	4/13	1030	2	S						

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/13/15	1500		TA	4/13/15	1500
	TA	4/14/15	1300		TA CHI	4/14/15	1300

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

Illinois Environmental Protection Agency

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; IL 83 to McHenry/Wheeling Rd Office Phone Number, if available: _____

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

34 N Elmhurst Road (ISGS Site No. 2646-9)

City: Wheeling State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.140019268 (Decimal Degrees) Longitude: -87.936787100 (-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; IL 83 to McHenry/Wheeling Rd

Latitude: 42.140019268 Longitude: -87.936787100

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 AM-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2646-9. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-94620-1.
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 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 JUNE 2015
Date:

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

Summary Table of ISGS Site No. 2646-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL 68 (W. Dundee Rd) from IL 83 to McHenry/Wheeling Road
Wheeling, Cook County, Illinois

Field Sample ID	AM-1(0-5)-041315	**Soil Reference Concentrations[A]**
Sample Date	4/13/2015	
Location ID	AM-1	
Depth	0 - 5	
ISGS Site No.	2646-9	
Parameter		
Laboratory pH (s.u.)	8.65	<6.25,>9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)	**No Exceedances**	
Total Metals (mg/kg)		
Antimony, Total	ND	5
Arsenic, Total	6.7 J	11.3 / 13
Barium, Total	62 J-	1500
Beryllium, Total	0.44	22
Cadmium, Total	0.18 J-	5.2
Calcium, Total	54000 J	---
Chromium, Total	11	21
Cobalt, Total	11 J	20
Copper, Total	17	2900
Iron, Total	20000 J	15000 / 15900
Lead, Total	21 J-	107
Magnesium, Total	22000 J	325000
Manganese, Total	610 J	630 / 636
Mercury, Total	0.023 J+	0.89
Nickel, Total	22 J	100
Potassium, Total	1000 J	---
Selenium, Total	0.62 J-	1.3
Sodium, Total	800 J	---
Thallium, Total	0.28 J	2.6
Vanadium, Total	17	550
Zinc, Total	51	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.56	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	0.012 J	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	1.8	0.15
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.047 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.023 J	0.05
Barium, SPLP	0.37 J	2
Beryllium, SPLP	ND	0.004
Chromium, SPLP	0.073	0.1
Cobalt, SPLP	0.017 J	1
Copper, SPLP	0.062	0.65
Iron, SPLP	59 J+	5
Lead, SPLP	0.065	0.0075
Manganese, SPLP	0.55	0.15
Nickel, SPLP	0.054	0.1
Zinc, SPLP	0.25	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 low.

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: 500-94620-1
Client Project/Site: IDOT - Wheeling - WO 014

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/23/2015 1:59:07 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: AM-1(0-5)-041315
Date Collected: 04/13/15 08:45
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-15
Matrix: Solid
Percent Solids: 87.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		04/16/15 19:18	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		04/16/15 19:18	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		04/16/15 19:18	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/16/15 19:18	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/16/15 19:18	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		04/16/15 19:18	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/16/15 19:18	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/16/15 19:18	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		04/16/15 19:18	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/16/15 19:18	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/16/15 19:18	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/16/15 19:18	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/16/15 19:18	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/16/15 19:18	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		04/16/15 19:18	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/16/15 19:18	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		04/16/15 19:18	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/16/15 19:18	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/16/15 19:18	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/16/15 19:18	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		04/16/15 19:18	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/16/15 19:18	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/16/15 19:18	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/16/15 19:18	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		04/16/15 19:18	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/16/15 19:18	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/16/15 19:18	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		04/16/15 19:18	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/16/15 19:18	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/16/15 19:18	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/16/15 19:18	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/16/15 19:18	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/16/15 19:18	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		04/16/15 19:18	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/16/15 19:18	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/16/15 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*04/16/15 19:18*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/16/15 19:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*04/16/15 19:18*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/16/15 19:18*	*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	☼	04/17/15 15:59	04/22/15 12:12	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: AM-1(0-5)-041315
Date Collected: 04/13/15 08:45
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-15
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Benzo[a]anthracene	**21**	**J**	37	5.0	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Carbazole	<190		190	97	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Chrysene	**31**	**J**	37	10	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Fluoranthene	**33**	**J**	37	6.9	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: AM-1(0-5)-041315
Date Collected: 04/13/15 08:45
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-15
Matrix: Solid
Percent Solids: 87.6

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		37	9.7	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Isophorone	<190		190	42	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Phenanthrene	**13**	**J**	37	5.2	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Phenol	<190		190	83	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1
Pyrene	**60**		37	7.4	ug/Kg	☼	04/17/15 15:59	04/22/15 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*35 - 137*	*04/17/15 15:59*	*04/22/15 12:12*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*04/17/15 15:59*	*04/22/15 12:12*	*1*
2-Fluorophenol	*57*		*25 - 110*	*04/17/15 15:59*	*04/22/15 12:12*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*04/17/15 15:59*	*04/22/15 12:12*	*1*
Phenol-d5	*58*		*31 - 110*	*04/17/15 15:59*	*04/22/15 12:12*	*1*
Terphenyl-d14	*133*		*36 - 134*	*04/17/15 15:59*	*04/22/15 12:12*	*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		04/19/15 15:00	04/20/15 13:08	1
Barium	**0.56**		0.50	0.050	mg/L		04/19/15 15:00	04/20/15 13:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 13:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 13:08	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:08	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:08	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:08	1
Iron	<0.20		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 13:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 13:08	1
Manganese	**1.8**		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:08	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:08	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 13:08	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 13:08	1
Zinc	**0.047**	**J**	0.10	0.020	mg/L		04/19/15 15:00	04/20/15 13:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.023**	**J**	0.050	0.010	mg/L		04/19/15 14:30	04/20/15 20:28	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		04/19/15 14:30	04/21/15 14:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 14:30	04/21/15 14:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 20:28	1
Chromium	**0.073**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:28	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		04/19/15 14:30	04/21/15 14:46	1
Copper	**0.062**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:28	1
Iron	**59**		0.20	0.20	mg/L		04/19/15 14:30	04/21/15 14:46	1
Lead	**0.065**		0.0075	0.0075	mg/L		04/19/15 14:30	04/21/15 14:46	1
Manganese	**0.55**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:28	1
Nickel	**0.054**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 20:28	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 20:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: AM-1(0-5)-041315
Date Collected: 04/13/15 08:45
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-15
Matrix: Solid

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		04/19/15 14:30	04/20/15 20:28	1
Zinc	**0.25**		0.10	0.020	mg/L		04/19/15 14:30	04/21/15 14:46	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	☼	04/16/15 09:10	04/16/15 22:15	1
Arsenic	**6.7**		0.56	0.26	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Barium	**62**		0.56	0.10	mg/Kg	☼	04/16/15 09:10	04/18/15 00:26	1
Beryllium	**0.44**		0.22	0.049	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Cadmium	**0.18**		0.11	0.033	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Calcium	**54000**		110	36	mg/Kg	☼	04/16/15 09:10	04/18/15 01:27	10
Chromium	**11**		0.56	0.097	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Cobalt	**11**		0.28	0.063	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Copper	**17**		0.56	0.12	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Iron	**20000**		11	4.3	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Lead	**21**		0.28	0.14	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Magnesium	**22000**		5.6	2.3	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Manganese	**610**		0.56	0.11	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Nickel	**22**		0.56	0.15	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Potassium	**1000**		28	4.6	mg/Kg	☼	04/16/15 09:10	04/18/15 00:26	1
Selenium	**0.62**		0.56	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Sodium	**800**		56	7.4	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Thallium	**0.28**	**J**	0.56	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Vanadium	**17**		0.28	0.082	mg/Kg	☼	04/16/15 09:10	04/16/15 22:15	1
Zinc	**51**		1.1	0.36	mg/Kg	☼	04/16/15 09:10	04/18/15 00:26	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		04/20/15 13:30	04/21/15 11:30	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		04/20/15 13:30	04/21/15 12:27	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	**23**		16	5.7	ug/Kg	☼	04/15/15 14:00	04/16/15 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.65**		0.200	0.200	SU			04/17/15 14:54	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions
Address: 300 Pierce Circle
Address: Mundelein, IL
Phone:
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-94620

Chain of Custody Number:

Page 2 of

Temperature °C of Cooler:

Client	Client Project #
Weston	1007 014
Project Name: 1007 014 Wheeling	
Project Location/State: Wheeling / IL	Lab Project #
Sampler: Colomb	Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	Metals	TCLP/SPLP	PH	Comments
11		CB8-1 (0-5)-041315	4/13	0955	2	S						
12		CB8-2 (0-5)-041315	4/13	0957	2	S						
13		CB8-2 (5-10)-041315	4/13	1000	2	S						
14		CB8-2 (10-15)-041315	4/13	1005	2	S						
15		AM-1 (0-5)-041315	4/13	0845	2	S						
16		AB-1 (0-1)-041315	4/13	0850	2	S						
17		SH-1 (0-5)-041315	4/13	1020	2	S						
18		SH-1 (5-10)-041315	4/13	1025	2	S						
19		SH-1 (10-15)-041315	4/13	1030	2	S						
20		SH-1 (10-15)-041315D	4/13	1030	2	S						

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/13/15	1500		TA	4/13/15	1500
	TA	4/14/15	1300		TA CHI	4/14/15	1300

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

Illinois Environmental Protection Agency

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; IL 83 to McHenry/Wheeling Rd Office Phone Number, if available: _____

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

14 N Elmhurst Road (ISGS Site No. 2646-10)

City: Wheeling State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.139379379 (Decimal Degrees) Longitude: -87.936817038 (-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

Project Name: FAP 343: IL 68; IL 83 to McHenry/Wheeling Rd

Latitude: 42.139379379 Longitude: -87.936817038

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 P66-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2646-10. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-94620-1.
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 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 June 2015
Date:

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

Summary Table of ISGS Site No. 2646-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL 68 (W. Dundee Rd) from IL 83 to McHenry/Wheeling Road
Wheeling, Cook County, Illinois

Field Sample ID	P66-1(0-5)-041315	**Soil Reference Concentrations[A]**
Sample Date	4/13/2015	
Location ID	P66-1	
Depth	0 - 5	
ISGS Site No.	2646-10	
Parameter		
Laboratory pH (s.u.)	8.6	<6.25,>9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)		
Benzo(a)pyrene	110	90 / 1300 / 2100
Total Metals (mg/kg)		
Antimony, Total	ND	5
Arsenic, Total	6.6	11.3 / 13
Barium, Total	63	1500
Beryllium, Total	0.52	22
Cadmium, Total	0.17	5.2
Calcium, Total	55000 B	---
Chromium, Total	13	21
Cobalt, Total	8	20
Copper, Total	18	2900
Iron, Total	14000	15000 / 15900
Lead, Total	18	107
Magnesium, Total	28000 B	325000
Manganese, Total	400	630 / 636
Mercury, Total	0.031 J+	0.89
Nickel, Total	20	100
Potassium, Total	1100	---
Selenium, Total	ND	1.3
Sodium, Total	370 B	---
Thallium, Total	ND	2.6
Vanadium, Total	20	550
Zinc, Total	56 B	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.39 J	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	0.36	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.2	0.15
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.097 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.019 J	0.05
Barium, SPLP	0.38 J	2
Beryllium, SPLP	ND	0.004
Chromium, SPLP	0.076	0.1
Cobalt, SPLP	0.017 J	1
Copper, SPLP	0.067	0.65
Iron, SPLP	65 J+	5
Lead, SPLP	0.065	0.0075
Manganese, SPLP	0.46	0.15
Nickel, SPLP	0.054	0.1
Zinc, SPLP	0.35	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 low.

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: 500-94620-1
Client Project/Site: IDOT - Wheeling - WO 014

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/23/2015 1:59:07 PM

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

Client Sample ID: P66-1(0-5)-041315
Date Collected: 04/13/15 08:40
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-10
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/16/15 17:09	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/16/15 17:09	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/16/15 17:09	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/16/15 17:09	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/16/15 17:09	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/16/15 17:09	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/16/15 17:09	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/16/15 17:09	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/16/15 17:09	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/16/15 17:09	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/16/15 17:09	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/16/15 17:09	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/16/15 17:09	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/16/15 17:09	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/16/15 17:09	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/16/15 17:09	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/16/15 17:09	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/16/15 17:09	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/16/15 17:09	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/16/15 17:09	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/16/15 17:09	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/16/15 17:09	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/16/15 17:09	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/16/15 17:09	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/16/15 17:09	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/16/15 17:09	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/16/15 17:09	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/16/15 17:09	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/16/15 17:09	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/16/15 17:09	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/16/15 17:09	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/16/15 17:09	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/16/15 17:09	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/16/15 17:09	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/16/15 17:09	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/16/15 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*04/16/15 17:09*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/16/15 17:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*04/16/15 17:09*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/16/15 17:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: P66-1(0-5)-041315
Date Collected: 04/13/15 08:40
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-10
Matrix: Solid
Percent Solids: 82.3

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	☼	04/21/15 18:25	04/22/15 13:34	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2,4-Dinitrophenol	<800	*	800	700	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Anthracene	**15**	**J**	39	6.6	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Benzo[a]anthracene	**110**		39	5.3	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Benzo[a]pyrene	**110**		39	7.7	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Benzo[b]fluoranthene	**130**		39	8.5	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Benzo[g,h,i]perylene	**100**		39	13	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Benzo[k]fluoranthene	**110**		39	12	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Carbazole	<200		200	100	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Chrysene	**120**		39	11	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Fluoranthene	**170**		39	7.3	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Hexachlorocyclopentadiene	<800	*	800	230	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: P66-1(0-5)-041315
Date Collected: 04/13/15 08:40
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-10
Matrix: Solid
Percent Solids: 82.3

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	<39		39	10	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Isophorone	<200		200	44	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Phenanthrene	**95**		39	5.5	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Phenol	<200		200	88	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1
Pyrene	**480**		39	7.9	ug/Kg	☼	04/21/15 18:25	04/22/15 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*48*		*35 - 137*	*04/21/15 18:25*	*04/22/15 13:34*	*1*
2-Fluorobiphenyl	*49*		*25 - 119*	*04/21/15 18:25*	*04/22/15 13:34*	*1*
2-Fluorophenol	*44*		*25 - 110*	*04/21/15 18:25*	*04/22/15 13:34*	*1*
Nitrobenzene-d5	*30*		*25 - 115*	*04/21/15 18:25*	*04/22/15 13:34*	*1*
Phenol-d5	*46*		*31 - 110*	*04/21/15 18:25*	*04/22/15 13:34*	*1*
Terphenyl-d14	*205*	*X*	*36 - 134*	*04/21/15 18:25*	*04/22/15 13:34*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/19/15 15:00	04/20/15 12:42	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		04/19/15 15:00	04/20/15 12:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 12:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 12:42	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:42	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:42	1
Copper	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:42	1
Iron	**0.36**		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 12:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 12:42	1
Manganese	**0.20**		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:42	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:42	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 12:42	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 12:42	1
Zinc	**0.097**	**J**	0.10	0.020	mg/L		04/19/15 15:00	04/20/15 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.019**	**J**	0.050	0.010	mg/L		04/19/15 14:30	04/20/15 19:42	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		04/19/15 14:30	04/21/15 14:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 14:30	04/21/15 14:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 19:42	1
Chromium	**0.076**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 19:42	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		04/19/15 14:30	04/21/15 14:00	1
Copper	**0.067**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 19:42	1
Iron	**65**		0.20	0.20	mg/L		04/19/15 14:30	04/21/15 14:00	1
Lead	**0.065**		0.0075	0.0075	mg/L		04/19/15 14:30	04/21/15 14:00	1
Manganese	**0.46**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 19:42	1
Nickel	**0.054**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 19:42	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 19:42	1

Client Sample ID: P66-1(0-5)-041315
Date Collected: 04/13/15 08:40
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-10
Matrix: Solid

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		04/19/15 14:30	04/20/15 19:42	1
Zinc	**0.35**		0.10	0.020	mg/L		04/19/15 14:30	04/21/15 14:00	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	☼	04/16/15 17:55	04/17/15 20:59	1
Arsenic	**6.6**		0.60	0.28	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Barium	**63**		0.60	0.11	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Beryllium	**0.52**		0.24	0.052	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Cadmium	**0.17**		0.12	0.034	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Calcium	**55000**	**B**	120	38	mg/Kg	☼	04/16/15 17:55	04/18/15 23:19	10
Chromium	**13**		0.60	0.10	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Cobalt	**8.0**		0.30	0.067	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Copper	**18**		0.60	0.13	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Iron	**14000**		12	4.6	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Lead	**18**		0.30	0.15	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Magnesium	**28000**	**B**	6.0	2.4	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Manganese	**400**		0.60	0.12	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Nickel	**20**		0.60	0.16	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Potassium	**1100**		30	4.9	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Selenium	<0.60		0.60	0.29	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Sodium	**370**	**B**	60	7.9	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Vanadium	**20**		0.30	0.087	mg/Kg	☼	04/16/15 17:55	04/17/15 20:59	1
Zinc	**56**	**B**	1.2	0.38	mg/Kg	☼	04/16/15 17:55	04/18/15 21:13	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		04/20/15 13:30	04/21/15 11:16	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		04/20/15 13:30	04/21/15 12:17	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	**31**		18	6.4	ug/Kg	☼	04/15/15 14:00	04/16/15 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.60**		0.200	0.200	SU			04/16/15 15:48	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-94620 COC

(optional)

Report To
Contact: S. Babuskumar
Company: Weston Solutions
Address: 300 Plaza Circle
Address: Mundelein IL
Phone:
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-94620

Chain of Custody Number:

Page 1 of

Temperature °C of Cooler: 3.3, 3.5, 2.9, 3.0

Client	Client Project #
Weston	IDOT 014
Project Name	
IDOT 014 Wheeling	
Project Location/State	**Lab Project #**
Wheeling, IL	
Sampler	**Lab PM**
Colonis	Wrings

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	metals	TCLP/SPLP	pH
1		DP-1(0-5)-041315	4/13	0745	2	S						
2		VL-1(0-5)-041315	4/13	0755	2	S						
3		VL-2(0-5)-041315	4/13	0805	2	S						
4		VL-2(5-10)-041315	4/13	0810	2	S						
5		VL-2(10-15)-041315	4/13	0815	2	S						
6		P66-2(0-5)-041315	4/13	0910	2	S						
7		P66-2(0-5)-041315D	4/13	0910	2	S						
8		P66-2(5-10)-041315	4/13	0915	2	S						
9		P66-2(10-15)-041315	4/13	0920	2	S						
10		P66-1(0-5)-041315	4/13	0840	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

Comments

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Std 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	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/13/15	1500		TA	4/13/15	1500
	TA	4/14/15	1300		TA-CHI	4/14/15	1300

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

4/23/2015

Illinois Environmental Protection Agency

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; IL 83 to McHenry/Wheeling Rd Office Phone Number, if available: _____

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

800 block of W Dundee Rd (ISGS Site No. 2646-11)

City: Wheeling State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.139060516 (Decimal Degrees) Longitude: -87.936871780 (-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

Project Name: FAP 343: IL 68; IL 83 to McHenry/Wheeling Rd

Latitude: 42.139060516 Longitude: -87.936871780

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 VL-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2646-11. 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 REPORT - JOB ID: 500-94620-1.
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 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or Licensed Professional Geologist Signature:

25 JUNE 2015
Date:

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

Summary Table of ISGS Site No. 2646-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 343: IL 68 (W. Dundee Rd) from IL 83 to McHenry/Wheeling Road
Wheeling, Cook County, Illinois

Field Sample ID	VL-1(0-5)-041315	**Soil Reference Concentrations[A]**
Sample Date	4/13/2015	
Location ID	VL-1	
Depth	0 - 5	
ISGS Site No.	2646-11	
Parameter		
Laboratory pH (s.u.)	8.5	<6.25,>9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)	**No Exceedances**	
Total Metals (mg/kg)		
Antimony, Total	ND	5
Arsenic, Total	5.7 J	11.3 / 13
Barium, Total	120 J-	1500
Beryllium, Total	0.73	22
Cadmium, Total	0.38 J-	5.2
Calcium, Total	22000 J	---
Chromium, Total	18	21
Cobalt, Total	10 J	20
Copper, Total	21	2900
Iron, Total	18000 J	15000 / 15900
Lead, Total	69 J-	107
Magnesium, Total	15000 J	325000
Manganese, Total	330 J	630 / 636
Mercury, Total	0.068 J+	0.89
Nickel, Total	26 J	100
Potassium, Total	960 J	---
Selenium, Total	ND	1.3
Sodium, Total	690 J	---
Thallium, Total	ND	2.6
Vanadium, Total	21	550
Zinc, Total	80	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.52	2
Cadmium, TCLP	0.0057	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	0.038	0.0075
Manganese, TCLP	4.1	0.15
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.057 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.2 J	2
Beryllium, SPLP	ND	0.004
Chromium, SPLP	0.025	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.18	0.65
Iron, SPLP	17 J+	5
Lead, SPLP	0.13	0.0075
Manganese, SPLP	0.38	0.15
Nickel, SPLP	0.016 J	0.1
Zinc, SPLP	0.47	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 low.

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: 500-94620-1
Client Project/Site: IDOT - Wheeling - WO 014

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/23/2015 1:59:07 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: VL-1(0-5)-041315
Date Collected: 04/13/15 07:55
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-2
Matrix: Solid
Percent Solids: 82.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.3		6.1	2.6	ug/Kg	☼		04/16/15 12:02	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/16/15 12:02	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/16/15 12:02	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/16/15 12:02	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/16/15 12:02	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/16/15 12:02	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/16/15 12:02	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/16/15 12:02	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/16/15 12:02	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/16/15 12:02	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/16/15 12:02	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/16/15 12:02	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/16/15 12:02	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/16/15 12:02	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/16/15 12:02	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/16/15 12:02	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/16/15 12:02	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/16/15 12:02	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/16/15 12:02	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/16/15 12:02	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/16/15 12:02	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/16/15 12:02	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/16/15 12:02	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/16/15 12:02	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/16/15 12:02	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/16/15 12:02	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/16/15 12:02	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/16/15 12:02	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/16/15 12:02	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/16/15 12:02	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/16/15 12:02	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/16/15 12:02	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/16/15 12:02	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/16/15 12:02	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/16/15 12:02	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/16/15 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*04/16/15 12:02*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*04/16/15 12:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/16/15 12:02*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/16/15 12:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<990		990	210	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
1,2-Dichlorobenzene	<990		990	230	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
1,3-Dichlorobenzene	<990		990	220	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
1,4-Dichlorobenzene	<990		990	250	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2,2'-oxybis[1-chloropropane]	<990		990	230	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: VL-1(0-5)-041315
Date Collected: 04/13/15 07:55
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-2
Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<2000		2000	450	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2,4,6-Trichlorophenol	<2000		2000	670	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2,4-Dichlorophenol	<2000		2000	470	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2,4-Dimethylphenol	<2000		2000	750	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2,4-Dinitrophenol	<4000	*	4000	3500	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2,4-Dinitrotoluene	<990		990	310	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2,6-Dinitrotoluene	<990		990	390	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2-Chloronaphthalene	<990		990	220	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2-Chlorophenol	<990		990	340	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2-Methylnaphthalene	<200		200	36	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2-Methylphenol	<990		990	320	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2-Nitroaniline	<990		990	260	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
2-Nitrophenol	<2000		2000	460	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
3 & 4 Methylphenol	<990		990	330	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
3,3'-Dichlorobenzidine	<990		990	280	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
3-Nitroaniline	<2000		2000	610	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
4,6-Dinitro-2-methylphenol	<2000	*	2000	1600	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
4-Bromophenyl phenyl ether	<990		990	260	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
4-Chloro-3-methylphenol	<2000		2000	670	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
4-Chloroaniline	<4000		4000	920	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
4-Chlorophenyl phenyl ether	<990		990	230	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
4-Nitroaniline	<2000		2000	820	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
4-Nitrophenol	<4000		4000	1900	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Acenaphthene	<200		200	35	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Acenaphthylene	<200		200	26	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Anthracene	<200		200	33	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Benzo[a]anthracene	<200		200	26	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Benzo[a]pyrene	<200		200	38	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Benzo[b]fluoranthene	<200		200	42	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Benzo[g,h,i]perylene	<200		200	63	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Benzo[k]fluoranthene	<200		200	58	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Bis(2-chloroethoxy)methane	<990		990	200	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Bis(2-chloroethyl)ether	<990		990	290	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Bis(2-ethylhexyl) phthalate	<990		990	360	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Butyl benzyl phthalate	<990		990	370	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Carbazole	<990		990	510	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Chrysene	<200		200	54	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Dibenz(a,h)anthracene	<200		200	38	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Dibenzofuran	<990		990	230	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Diethyl phthalate	<990		990	330	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Dimethyl phthalate	<990		990	260	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Di-n-butyl phthalate	<990		990	300	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Di-n-octyl phthalate	<990		990	320	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Fluoranthene	<200		200	36	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Fluorene	<200		200	28	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Hexachlorobenzene	<400		400	46	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Hexachlorobutadiene	<990		990	310	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Hexachlorocyclopentadiene	<4000		4000	1100	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Hexachloroethane	<990		990	300	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

Client Sample ID: VL-1(0-5)-041315
Date Collected: 04/13/15 07:55
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-2
Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<200		200	51	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Isophorone	<990		990	220	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Naphthalene	<200		200	30	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Nitrobenzene	<200		200	49	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
N-Nitrosodi-n-propylamine	<990		990	240	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
N-Nitrosodiphenylamine	<990		990	230	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Pentachlorophenol	<4000		4000	3200	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Phenanthrene	<200		200	27	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Phenol	<990		990	440	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5
Pyrene	**53**	**J**	200	39	ug/Kg	☼	04/15/15 16:09	04/21/15 05:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*32*	*X*	*35 - 137*	*04/15/15 16:09*	*04/21/15 05:48*	*5*
2-Fluorobiphenyl	*49*		*25 - 119*	*04/15/15 16:09*	*04/21/15 05:48*	*5*
2-Fluorophenol	*32*		*25 - 110*	*04/15/15 16:09*	*04/21/15 05:48*	*5*
Nitrobenzene-d5	*43*		*25 - 115*	*04/15/15 16:09*	*04/21/15 05:48*	*5*
Phenol-d5	*38*		*31 - 110*	*04/15/15 16:09*	*04/21/15 05:48*	*5*
Terphenyl-d14	*70*		*36 - 134*	*04/15/15 16:09*	*04/21/15 05:48*	*5*

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		04/19/15 15:00	04/20/15 11:35	1
Barium	**0.52**		0.50	0.050	mg/L		04/19/15 15:00	04/20/15 11:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 15:00	04/20/15 11:35	1
Cadmium	**0.0057**		0.0050	0.0020	mg/L		04/19/15 15:00	04/20/15 11:35	1
Chromium	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:35	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:35	1
Copper	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:35	1
Iron	<0.20		0.20	0.20	mg/L		04/19/15 15:00	04/20/15 11:35	1
Lead	**0.038**		0.0075	0.0075	mg/L		04/19/15 15:00	04/20/15 11:35	1
Manganese	**4.1**		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:35	1
Nickel	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:35	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 15:00	04/20/15 11:35	1
Silver	<0.025		0.025	0.010	mg/L		04/19/15 15:00	04/20/15 11:35	1
Zinc	**0.057**	**J**	0.10	0.020	mg/L		04/19/15 15:00	04/20/15 11:35	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		04/19/15 14:30	04/20/15 18:19	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		04/19/15 14:30	04/20/15 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/19/15 14:30	04/20/15 18:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/19/15 14:30	04/20/15 18:19	1
Chromium	**0.025**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:19	1
Cobalt	<0.025		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:19	1
Copper	**0.18**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:19	1
Iron	**17**		0.20	0.20	mg/L		04/19/15 14:30	04/20/15 18:19	1
Lead	**0.13**		0.0075	0.0075	mg/L		04/19/15 14:30	04/20/15 18:19	1
Manganese	**0.38**		0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:19	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		04/19/15 14:30	04/20/15 18:19	1
Selenium	<0.050		0.050	0.020	mg/L		04/19/15 14:30	04/20/15 18:19	1

Client Sample ID: VL-1(0-5)-041315
Date Collected: 04/13/15 07:55
Date Received: 04/14/15 13:00

Lab Sample ID: 500-94620-2
Matrix: Solid

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		04/19/15 14:30	04/20/15 18:19	1
Zinc	**0.47**		0.10	0.020	mg/L		04/19/15 14:30	04/20/15 18:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Arsenic	**5.7**		0.57	0.26	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Barium	**120**		0.57	0.10	mg/Kg	☼	04/16/15 09:10	04/17/15 23:19	1
Beryllium	**0.73**		0.23	0.050	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Cadmium	**0.38**		0.11	0.033	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Calcium	**22000**		11	3.7	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Chromium	**18**		0.57	0.098	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Cobalt	**10**		0.29	0.065	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Copper	**21**		0.57	0.12	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Iron	**18000**		11	4.4	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Lead	**69**		0.29	0.14	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Magnesium	**15000**		5.7	2.3	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Manganese	**330**		0.57	0.11	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Nickel	**26**		0.57	0.16	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Potassium	**960**		29	4.7	mg/Kg	☼	04/16/15 09:10	04/17/15 23:19	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Sodium	**690**		57	7.6	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Vanadium	**21**		0.29	0.084	mg/Kg	☼	04/16/15 09:10	04/16/15 21:08	1
Zinc	**80**		1.1	0.36	mg/Kg	☼	04/16/15 09:10	04/17/15 23:19	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		04/20/15 13:30	04/21/15 10:53	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		04/20/15 13:30	04/21/15 11:54	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	**68**		19	6.5	ug/Kg	☼	04/15/15 14:00	04/16/15 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.50**		0.200	0.200	SU			04/16/15 15:16	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Wheeling - WO 014

TestAmerica Job ID: 500-94620-1

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-94620 COC

(optional)

Report To
Contact: S. Babuskumar
Company: Weston Solutions
Address: 300 Plaza Circle
Address: Mundelein IL
Phone:
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-94620

Chain of Custody Number:

Page 1 of

Temperature °C of Cooler: 3.3, 3.5, 2.9, 3.0

Client	Client Project #
Weston	IDOT 014
Project Name	
IDOT 014 Wheeling	
Project Location/State	**Lab Project #**
Wheeling, IL	
Sampler	**Lab PM**
Colonis	Wrings

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	metals	TCLP/SPLP	pH
1		DP-1(0-5)-041315	4/13	0745	2	S						
2		VL-1(0-5)-041315	4/13	0755	2	S						
3		VL-2(0-5)-041315	4/13	0805	2	S						
4		VL-2(5-10)-041315	4/13	0810	2	S						
5		VL-2(10-15)-041315	4/13	0815	2	S						
6		P66-2(0-5)-041315	4/13	0910	2	S						
7		P66-2(0-5)-041315D	4/13	0910	2	S						
8		P66-2(5-10)-041315	4/13	0915	2	S						
9		P66-2(10-15)-041315	4/13	0920	2	S						
10		P66-1(0-5)-041315	4/13	0840	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

Comments

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Std 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	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/13/15	1500		TA	4/13/15	1500
	TA	4/14/15	1300		TA-CHI	4/14/15	1300

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

4/23/2015