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: FAU 297: US 6 at Parker Road Office Phone Number, if available:

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

13400-13500 Blocks of W. Maple Rd & 18500-18800 Blocks of S. Parker Rd. (ISGS Site No. 2177V-1)

City: Unincorp. New Lenox State: IL Zip Code:

County: Will Township: New Lenox

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

Latitude: 41.548660098 (Decimal Degrees) Longitude: -87.942993115 (-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: FAU 297: US 6 at Parker Road

Latitude: 41.548660098 Longitude: -87.942993115

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 AL-1, AL-3 THROUGH AL-7, AND AL-9 THROUGH AL-11 WERE SAMPLED ADJACENT TO ISGS SITE No. 2177V-1. SEE FIGURES 3-1 AND 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94378-1.
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94425-1.
ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 June 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2177V-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	AL-1(0-4)-040915	AL-3(0-6.5)-040915	AL-4(0-6.5)-040815	AL-5(0-4)-040915	AL-6(0-6.5)-040815	AL-7(0-6.5)-040815	AL-9(0-6.5)-040815	AL-10(0-5)-040815	AL-11(0-6.5)-040915	Soil Reference Concentrations[A]
Sample Date	4/9/2015	4/9/2015	4/8/2015	4/9/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/9/2015	
Location ID	AL-1	AL-3	AL-4	AL-5	AL-6	AL-7	AL-9	AL-10	AL-11	
Depth	0 - 4	0 - 6.5	0 - 6.5	0 - 4	0 - 6.5	0 - 6.5	0 - 6.5	0 - 5	0 - 6.5	
Lab Sample ID	500-94425-14	500-94425-13	500-94378-3	500-94425-12	500-94378-4	500-94378-5	500-94378-7	500-94378-8	500-94425-5	
ISGS Site No.	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	
Parameter										
Laboratory pH (s.u.)	7.25	8.48	8.68	7.69	8.84	8.62	8.74	8.51	7.58	<6.25,>9.0
VOCs	**No Detections**									
SVOCs (ug/kg)										
Benzo(a)anthracene	ND	ND	ND	16 J	ND	ND	ND	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	17 J	ND	ND	ND	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	ND	23 J	ND	ND	ND	ND	ND	900 / 1500 / 2100
Chrysene	ND	ND	ND	16 J	ND	ND	ND	ND	ND	88000
Fluoranthene	ND	ND	ND	24 J	ND	ND	ND	ND	22 J	3100000
Phenanthrene	ND	ND	ND	9.8 J	ND	ND	ND	ND	ND	---
Pyrene	ND	ND	ND	23 J	ND	ND	ND	ND	20 J	2300000
Total Metals (mg/kg)										
Antimony, Total	0.8 J	0.46 J	0.41 J	0.65 J	0.36 J	0.53 J	0.32 J	0.27 J	0.45 J	5
Arsenic, Total	9.9 J-	8.6 J-	9.2 J	11 J-	9.6 J	9.4 J	8.8 J	6.7 J	9.2 J-	11.3 / 13.0
Barium, Total	72	35	27 J+	79	32 J+	55 J+	36 J+	38 J+	86	1500
Beryllium, Total	0.81	0.58	0.51	0.88	0.57	0.62	0.59	0.55	0.8	22
Cadmium, Total	0.23	0.48	0.33 J-	0.31	0.28 J-	0.33 J-	0.3 J-	0.31 J-	0.27	5.2
Calcium, Total	4800 J+	41000 J+	44000 J-	8600 J+	37000 J-	38000 J-	37000 J-	49000 J-	3800 J+	---
Chromium, Total	22 J+	16 J+	14 J+	23 J+	16 J+	17 J+	16 J+	16 J+	20 J+	21
Cobalt, Total	9.3	20	14 J-	11	12 J-	10 J-	9 J-	8.2 J-	8.1	20
Copper, Total	27 J-	23 J-	27	27 J-	29	25	21	21	18 J-	2900
Iron, Total	26000 J	20000 J	20000 J+	27000 J	21000 J+	22000 J+	19000 J+	18000 J+	22000 J	15000 / 15900
Lead, Total	15 J	14 J	14	17 J	16	14	12	13	14 J	107
Magnesium, Total	6100 J	24000 J	28000 J-	9000 J	25000 J-	20000 J-	23000 J-	25000 J-	4500 J	325000
Manganese, Total	400 J	750 J	610 J	460 J	500 J	600 J	400 J	340 J	560 J	630 / 636
Mercury, Total	0.029	0.028	0.022	0.032	0.023	0.025	0.022	0.026	0.028	0.89
Nickel, Total	27 J-	42 J-	28	30 J-	30	29	24	22	21 J-	100
Potassium, Total	2300 J+	3200 J+	2900 J+	2400 J+	2800 J+	2700 J+	2800 J+	2800 J+	1600 J+	---
Sodium, Total	900	840	200 J+	340	480 J+	440 J+	1200 J+	200 J+	1500	---
Thallium, Total	0.93	1.7	0.93	0.66	1.1	0.84	0.57	0.43 J	0.62	2.6
Vanadium, Total	28 J+	18 J+	17	30 J+	18	22	20	17	32 J+	550
Zinc, Total	57 B	52 B	52 B	62 B	55 B	49 B	54 B	47 B	56 B	5100
TCLP Metals (mg/l)										
Barium, TCLP	0.42 J	0.23 J	0.21 J	0.34 J	0.24 J	0.44 J	0.23 J	0.3 J	0.3 J	2
Cadmium, TCLP	ND	ND	0.002 J	ND	ND	0.0022 J	0.002 J	0.0032 J	ND	0.005
Cobalt, TCLP	ND	ND	0.048	ND	ND	ND	0.027	0.041	ND	1
Copper, TCLP	ND	0.014 J	0.013 J	ND	0.013 J	0.01 J	ND	ND	ND	0.65
Iron, TCLP	0.31	ND	ND	0.27	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.027	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.35	0.8	4.1	0.4	0.65	3.8	3.6	4.4	0.2	0.15
Nickel, TCLP	ND	ND	0.044	ND	ND	0.046	0.032	0.053	ND	0.1
Zinc, TCLP	0.2	0.076 J	0.14	0.085 J	0.044 J	0.25	0.086 J	0.028 J	0.23	5

Summary Table of ISGS Site No. 2177V-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	AL-1(0-4)-040915	AL-3(0-6.5)-040915	AL-4(0-6.5)-040815	AL-5(0-4)-040915	AL-6(0-6.5)-040815	AL-7(0-6.5)-040815	AL-9(0-6.5)-040815	AL-10(0-5)-040815	AL-11(0-6.5)-040915	**Soil Reference Concentrations[A]**
Sample Date	4/9/2015	4/9/2015	4/8/2015	4/9/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/9/2015	
Location ID	AL-1	AL-3	AL-4	AL-5	AL-6	AL-7	AL-9	AL-10	AL-11	
Depth	0 - 4	0 - 6.5	0 - 6.5	0 - 4	0 - 6.5	0 - 6.5	0 - 6.5	0 - 5	0 - 6.5	
Lab Sample ID	500-94425-14	500-94425-13	500-94378-3	500-94425-12	500-94378-4	500-94378-5	500-94378-7	500-94378-8	500-94425-5	
ISGS Site No.	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	2177V-1	
SPLP Metals (mg/l)										
Arsenic, SPLP	0.049 J	ND	ND	ND	ND	ND	0.037 J	ND	0.035 J	0.05
Barium, SPLP	0.23 J	0.1 J	0.072 J	0.095 J	0.064 J	0.14 J	0.19 J	0.099 J	0.5	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0047	0.004
Chromium, SPLP	0.089	ND	0.013 J	ND	0.011 J	0.028	0.056	0.023 J	0.12	0.1
Cobalt, SPLP	0.026	ND	ND	ND	ND	ND	0.02 J	ND	0.019 J	1
Copper, SPLP	0.14	0.014 J	0.017 J	0.016 J	0.012 J	0.031	0.092	0.032	0.082	0.65
Iron, SPLP	99 J-	4.2 J-	11 J-	2.1 J-	7.7 J-	27 J-	69 J-	22 J-	110 J-	5
Lead, SPLP	0.069	ND	0.011	ND	0.0078	0.024	0.054	0.021	0.047	0.0075
Manganese, SPLP	0.35	0.022 J	0.063	0.025	0.047	0.12	0.27	0.1	0.61	0.15
Nickel, SPLP	0.1	ND	0.012 J	ND	ND	0.025	0.075	0.025	0.082	0.1
Zinc, SPLP	0.43 B	0.16 B	0.048 J	0.11 B	0.051 J	0.078 J	0.25	0.17	0.57 B	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.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94378-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/16/2015 11:37:24 AM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-4(0-6.5)-040815
Date Collected: 04/08/15 09:40
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-3
Matrix: Solid
Percent Solids: 85.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/09/15 18:15	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		04/09/15 18:15	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/09/15 18:15	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/09/15 18:15	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/09/15 18:15	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/09/15 18:15	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/09/15 18:15	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/09/15 18:15	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/09/15 18:15	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/09/15 18:15	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/09/15 18:15	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/09/15 18:15	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/09/15 18:15	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/09/15 18:15	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/09/15 18:15	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/09/15 18:15	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/09/15 18:15	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/09/15 18:15	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/09/15 18:15	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/09/15 18:15	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/09/15 18:15	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/09/15 18:15	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/09/15 18:15	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/09/15 18:15	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/09/15 18:15	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/09/15 18:15	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/09/15 18:15	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/09/15 18:15	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/09/15 18:15	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/09/15 18:15	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/09/15 18:15	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/09/15 18:15	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/09/15 18:15	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/09/15 18:15	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/09/15 18:15	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/09/15 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*04/09/15 18:15*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*04/09/15 18:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*04/09/15 18:15*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/09/15 18:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-4(0-6.5)-040815
Date Collected: 04/08/15 09:40
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-3
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Anthracene	<37		37	6.2	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Carbazole	<190		190	96	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Chrysene	<37		37	10	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-4(0-6.5)-040815
Date Collected: 04/08/15 09:40
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-3
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Isophorone	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Phenol	<190		190	83	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1
Pyrene	<37		37	7.4	ug/Kg	☼	04/13/15 07:17	04/13/15 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*35 - 137*	*04/13/15 07:17*	*04/13/15 20:21*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*04/13/15 07:17*	*04/13/15 20:21*	*1*
2-Fluorophenol	*91*		*25 - 110*	*04/13/15 07:17*	*04/13/15 20:21*	*1*
Nitrobenzene-d5	*72*		*25 - 115*	*04/13/15 07:17*	*04/13/15 20:21*	*1*
Phenol-d5	*86*		*31 - 110*	*04/13/15 07:17*	*04/13/15 20:21*	*1*
Terphenyl-d14	*89*		*36 - 134*	*04/13/15 07:17*	*04/13/15 20:21*	*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		04/13/15 08:40	04/14/15 00:03	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 00:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 00:03	1
Cadmium	**0.0020**	**J ^**	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 00:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:03	1
Cobalt	**0.048**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:03	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:03	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 00:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 18:42	1
Manganese	**4.1**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:03	1
Nickel	**0.044**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 00:03	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:03	1
Zinc	**0.14**		0.10	0.020	mg/L		04/13/15 08:40	04/14/15 00:03	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		04/13/15 09:45	04/14/15 04:00	1
Barium	**0.072**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 04:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 04:00	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 04:00	1
Chromium	**0.013**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:00	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:00	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:00	1
Iron	**11**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 04:00	1
Lead	**0.011**		0.0075	0.0075	mg/L		04/13/15 09:45	04/14/15 17:27	1
Manganese	**0.063**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:00	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:00	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 04:00	1

Client Sample ID: AL-4(0-6.5)-040815
Date Collected: 04/08/15 09:40
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-3
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		04/13/15 09:45	04/14/15 04:00	1
Zinc	0.048	J	0.10	0.020	mg/L		04/13/15 09:45	04/14/15 04:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J	1.2	0.24	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Arsenic	9.2		0.58	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Barium	27		0.58	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Beryllium	0.51		0.23	0.050	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Cadmium	0.33		0.12	0.034	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Calcium	44000		12	3.7	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Chromium	14		0.58	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Cobalt	14		0.29	0.066	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Copper	27		0.58	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Iron	20000		12	4.5	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Lead	14		0.29	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Magnesium	28000		5.8	2.4	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Manganese	610		0.58	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Nickel	28		0.58	0.16	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Potassium	2900		29	4.7	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Sodium	200		58	7.7	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Thallium	0.93		0.58	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Vanadium	17		0.29	0.085	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	1
Zinc	52	B	1.2	0.37	mg/Kg	☼	04/09/15 16:58	04/10/15 14:10	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		04/13/15 12:00	04/14/15 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 12:01	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	22		19	6.7	ug/Kg	☼	04/10/15 10:30	04/13/15 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.68		0.200	0.200	SU			04/09/15 15:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-6(0-6.5)-040815
Date Collected: 04/08/15 10:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-4
Matrix: Solid
Percent Solids: 83.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/09/15 18:43	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/09/15 18:43	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/09/15 18:43	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/09/15 18:43	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/09/15 18:43	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/09/15 18:43	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/09/15 18:43	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/09/15 18:43	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/09/15 18:43	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/09/15 18:43	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/09/15 18:43	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		04/09/15 18:43	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		04/09/15 18:43	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/09/15 18:43	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		04/09/15 18:43	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		04/09/15 18:43	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		04/09/15 18:43	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/09/15 18:43	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		04/09/15 18:43	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/09/15 18:43	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/09/15 18:43	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/09/15 18:43	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/09/15 18:43	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/09/15 18:43	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/09/15 18:43	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		04/09/15 18:43	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/09/15 18:43	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/09/15 18:43	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/09/15 18:43	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/09/15 18:43	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/09/15 18:43	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/09/15 18:43	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		04/09/15 18:43	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		04/09/15 18:43	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/09/15 18:43	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/09/15 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*04/09/15 18:43*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*04/09/15 18:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*04/09/15 18:43*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/09/15 18:43*	*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	☼	04/13/15 07:17	04/13/15 20:41	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-6(0-6.5)-040815
Date Collected: 04/08/15 10:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-4
Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Anthracene	<38		38	6.3	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Carbazole	<190		190	98	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Chrysene	<38		38	10	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Fluorene	<38		38	5.3	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-6(0-6.5)-040815
Date Collected: 04/08/15 10:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-4
Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Isophorone	<190		190	43	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Naphthalene	<38		38	5.8	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Phenol	<190		190	84	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1
Pyrene	<38		38	7.5	ug/Kg	☼	04/13/15 07:17	04/13/15 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*35 - 137*	*04/13/15 07:17*	*04/13/15 20:41*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*04/13/15 07:17*	*04/13/15 20:41*	*1*
2-Fluorophenol	*51*		*25 - 110*	*04/13/15 07:17*	*04/13/15 20:41*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*04/13/15 07:17*	*04/13/15 20:41*	*1*
Phenol-d5	*51*		*31 - 110*	*04/13/15 07:17*	*04/13/15 20:41*	*1*
Terphenyl-d14	*69*		*36 - 134*	*04/13/15 07:17*	*04/13/15 20:41*	*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		04/13/15 08:40	04/14/15 01:27	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 01:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 01:27	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 01:27	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:27	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:27	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:27	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 01:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 19:46	1
Manganese	**0.65**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:27	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:27	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 01:27	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:27	1
Zinc	**0.044**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 01:27	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		04/13/15 09:45	04/14/15 04:06	1
Barium	**0.064**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 04:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 04:06	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 04:06	1
Chromium	**0.011**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:06	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:06	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:06	1
Iron	**7.7**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 04:06	1
Lead	**0.0078**		0.0075	0.0075	mg/L		04/13/15 09:45	04/14/15 17:31	1
Manganese	**0.047**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:06	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 04:06	1

Client Sample ID: AL-6(0-6.5)-040815
Date Collected: 04/08/15 10:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-4
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		04/13/15 09:45	04/14/15 04:06	1
Zinc	**0.051**	**J**	0.10	0.020	mg/L		04/13/15 09:45	04/14/15 04:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.36**	**J**	1.2	0.24	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Arsenic	**9.6**		0.58	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Barium	**32**		0.58	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Beryllium	**0.57**		0.23	0.050	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Cadmium	**0.28**		0.12	0.034	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Calcium	**37000**		12	3.7	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Chromium	**16**		0.58	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Cobalt	**12**		0.29	0.066	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Copper	**29**		0.58	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Iron	**21000**		12	4.5	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Lead	**16**		0.29	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Magnesium	**25000**		5.8	2.4	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Manganese	**500**		0.58	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Nickel	**30**		0.58	0.16	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Potassium	**2800**		29	4.8	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Sodium	**480**		58	7.7	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Thallium	**1.1**		0.58	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Vanadium	**18**		0.29	0.085	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	1
Zinc	**55**	**B**	1.2	0.37	mg/Kg	☼	04/09/15 16:58	04/10/15 14:16	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		04/13/15 12:00	04/14/15 11:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 12:03	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**		17	6.1	ug/Kg	☼	04/10/15 10:30	04/13/15 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.84**		0.200	0.200	SU			04/09/15 15:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-7(0-6.5)-040815
Date Collected: 04/08/15 10:20
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-5
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/09/15 19:11	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/09/15 19:11	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/09/15 19:11	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/09/15 19:11	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/09/15 19:11	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/09/15 19:11	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/09/15 19:11	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/09/15 19:11	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/09/15 19:11	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/09/15 19:11	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/09/15 19:11	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/09/15 19:11	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/09/15 19:11	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/09/15 19:11	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/09/15 19:11	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/09/15 19:11	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/09/15 19:11	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/09/15 19:11	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/09/15 19:11	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/09/15 19:11	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/09/15 19:11	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/09/15 19:11	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/09/15 19:11	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/09/15 19:11	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/09/15 19:11	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/09/15 19:11	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/09/15 19:11	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/09/15 19:11	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/09/15 19:11	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/09/15 19:11	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/09/15 19:11	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/09/15 19:11	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/09/15 19:11	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/09/15 19:11	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/09/15 19:11	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/09/15 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*04/09/15 19:11*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/09/15 19:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/09/15 19:11*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/09/15 19:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-7(0-6.5)-040815
Date Collected: 04/08/15 10:20
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-5
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Carbazole	<200		200	100	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Chrysene	<39		39	11	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-7(0-6.5)-040815
Date Collected: 04/08/15 10:20
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-5
Matrix: Solid
Percent Solids: 83.3

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	☼	04/13/15 07:17	04/13/15 21:02	1
Isophorone	<200		200	44	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Phenol	<200		200	87	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1
Pyrene	<39		39	7.7	ug/Kg	☼	04/13/15 07:17	04/13/15 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*35 - 137*	*04/13/15 07:17*	*04/13/15 21:02*	*1*
2-Fluorobiphenyl	*43*		*25 - 119*	*04/13/15 07:17*	*04/13/15 21:02*	*1*
2-Fluorophenol	*51*		*25 - 110*	*04/13/15 07:17*	*04/13/15 21:02*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*04/13/15 07:17*	*04/13/15 21:02*	*1*
Phenol-d5	*51*		*31 - 110*	*04/13/15 07:17*	*04/13/15 21:02*	*1*
Terphenyl-d14	*70*		*36 - 134*	*04/13/15 07:17*	*04/13/15 21:02*	*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		04/13/15 08:40	04/14/15 00:09	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 00:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 00:09	1
Cadmium	**0.0022**	**J ^**	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 00:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:09	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:09	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:09	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 00:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 18:47	1
Manganese	**3.8**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:09	1
Nickel	**0.046**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 00:09	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:09	1
Zinc	**0.25**		0.10	0.020	mg/L		04/13/15 08:40	04/14/15 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 09:45	04/14/15 04:12	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 04:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 04:12	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 04:12	1
Chromium	**0.028**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:12	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:12	1
Copper	**0.031**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:12	1
Iron	**27**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 04:12	1
Lead	**0.024**		0.0075	0.0075	mg/L		04/13/15 09:45	04/14/15 17:35	1
Manganese	**0.12**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:12	1
Nickel	**0.025**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:12	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 04:12	1

Client Sample ID: AL-7(0-6.5)-040815
Date Collected: 04/08/15 10:20
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-5
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		04/13/15 09:45	04/14/15 04:12	1
Zinc	**0.078**	**J**	0.10	0.020	mg/L		04/13/15 09:45	04/14/15 04:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.53**	**J**	1.1	0.23	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Arsenic	**9.4**		0.56	0.26	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Barium	**55**		0.56	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Beryllium	**0.62**		0.22	0.049	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Cadmium	**0.33**		0.11	0.032	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Calcium	**38000**		11	3.6	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Chromium	**17**		0.56	0.096	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Cobalt	**10**		0.28	0.063	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Copper	**25**		0.56	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Iron	**22000**		11	4.3	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Lead	**14**		0.28	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Magnesium	**20000**		5.6	2.3	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Manganese	**600**		0.56	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Nickel	**29**		0.56	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Potassium	**2700**		28	4.6	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Sodium	**440**		56	7.4	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Thallium	**0.84**		0.56	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Vanadium	**22**		0.28	0.082	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1
Zinc	**49**	**B**	1.1	0.35	mg/Kg	☼	04/09/15 16:58	04/10/15 14:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		19	6.7	ug/Kg	☼	04/10/15 10:30	04/13/15 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.62**		0.200	0.200	SU			04/09/15 15:24	1

Client Sample ID: AL-9(0-6.5)-040815
Date Collected: 04/08/15 10:50
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-7
Matrix: Solid
Percent Solids: 87.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		04/09/15 20:06	1
Benzene	<5.7		5.7	0.79	ug/Kg	☼		04/09/15 20:06	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/09/15 20:06	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/09/15 20:06	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/09/15 20:06	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		04/09/15 20:06	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/09/15 20:06	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/09/15 20:06	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		04/09/15 20:06	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/09/15 20:06	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/09/15 20:06	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/09/15 20:06	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/09/15 20:06	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/09/15 20:06	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/09/15 20:06	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/09/15 20:06	1
1,1-Dichloroethene	<5.7		5.7	0.93	ug/Kg	☼		04/09/15 20:06	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/09/15 20:06	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/09/15 20:06	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/09/15 20:06	1
2-Hexanone	<5.7		5.7	1.7	ug/Kg	☼		04/09/15 20:06	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/09/15 20:06	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/09/15 20:06	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/09/15 20:06	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/09/15 20:06	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/09/15 20:06	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/09/15 20:06	1
Tetrachloroethene	<5.7		5.7	0.88	ug/Kg	☼		04/09/15 20:06	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/09/15 20:06	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/09/15 20:06	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/09/15 20:06	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		04/09/15 20:06	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/09/15 20:06	1
Trichloroethene	<5.7		5.7	0.95	ug/Kg	☼		04/09/15 20:06	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/09/15 20:06	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/09/15 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*04/09/15 20:06*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*04/09/15 20:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*04/09/15 20:06*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/09/15 20:06*	*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	☼	04/13/15 07:17	04/13/15 21:42	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-9(0-6.5)-040815
Date Collected: 04/08/15 10:50
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-7
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Carbazole	<190		190	97	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Chrysene	<37		37	10	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-9(0-6.5)-040815
Date Collected: 04/08/15 10:50
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-7
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Isophorone	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Phenol	<190		190	83	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1
Pyrene	<37		37	7.5	ug/Kg	☼	04/13/15 07:17	04/13/15 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*35 - 137*	*04/13/15 07:17*	*04/13/15 21:42*	*1*
2-Fluorobiphenyl	*65*		*25 - 119*	*04/13/15 07:17*	*04/13/15 21:42*	*1*
2-Fluorophenol	*64*		*25 - 110*	*04/13/15 07:17*	*04/13/15 21:42*	*1*
Nitrobenzene-d5	*69*		*25 - 115*	*04/13/15 07:17*	*04/13/15 21:42*	*1*
Phenol-d5	*66*		*31 - 110*	*04/13/15 07:17*	*04/13/15 21:42*	*1*
Terphenyl-d14	*81*		*36 - 134*	*04/13/15 07:17*	*04/13/15 21:42*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 08:40	04/14/15 00:15	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 00:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 00:15	1
Cadmium	**0.0020**	**J ^**	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 00:15	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:15	1
Cobalt	**0.027**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:15	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:15	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 00:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 18:52	1
Manganese	**3.6**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:15	1
Nickel	**0.032**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:15	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 00:15	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:15	1
Zinc	**0.086**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.037**	**J**	0.050	0.010	mg/L		04/13/15 09:45	04/14/15 04:25	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 04:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 04:25	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 04:25	1
Chromium	**0.056**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:25	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:25	1
Copper	**0.092**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:25	1
Iron	**69**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 04:25	1
Lead	**0.054**		0.038	0.038	mg/L		04/13/15 09:45	04/15/15 12:11	5
Manganese	**0.27**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:25	1
Nickel	**0.075**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:25	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 04:25	1

Client Sample ID: AL-9(0-6.5)-040815
Date Collected: 04/08/15 10:50
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-7
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		04/13/15 09:45	04/14/15 04:25	1
Zinc	**0.25**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 04:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.32**	**J**	1.1	0.23	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Arsenic	**8.8**		0.56	0.26	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Barium	**36**		0.56	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Beryllium	**0.59**		0.23	0.049	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Cadmium	**0.30**		0.11	0.033	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Calcium	**37000**		11	3.6	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Chromium	**16**		0.56	0.097	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Cobalt	**9.0**		0.28	0.064	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Copper	**21**		0.56	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Iron	**19000**		11	4.4	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Lead	**12**		0.28	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Magnesium	**23000**		5.6	2.3	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Manganese	**400**		0.56	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Nickel	**24**		0.56	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Potassium	**2800**		28	4.6	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Sodium	**1200**		56	7.5	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Thallium	**0.57**		0.56	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Vanadium	**20**		0.28	0.082	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1
Zinc	**54**	**B**	1.1	0.36	mg/Kg	☼	04/09/15 16:58	04/10/15 14:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 12:09	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	**22**		19	6.6	ug/Kg	☼	04/10/15 10:30	04/13/15 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.74**		0.200	0.200	SU			04/09/15 15:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-10(0-5)-040815
Date Collected: 04/08/15 11:10
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-8
Matrix: Solid
Percent Solids: 84.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		04/09/15 20:33	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/09/15 20:33	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/09/15 20:33	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/09/15 20:33	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/09/15 20:33	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/09/15 20:33	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/09/15 20:33	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/09/15 20:33	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/09/15 20:33	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/09/15 20:33	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/09/15 20:33	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/09/15 20:33	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/09/15 20:33	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/09/15 20:33	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/09/15 20:33	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/09/15 20:33	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/09/15 20:33	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/09/15 20:33	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/09/15 20:33	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/09/15 20:33	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/09/15 20:33	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/09/15 20:33	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/09/15 20:33	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/09/15 20:33	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/09/15 20:33	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/09/15 20:33	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/09/15 20:33	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/09/15 20:33	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/09/15 20:33	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/09/15 20:33	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/09/15 20:33	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/09/15 20:33	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/09/15 20:33	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/09/15 20:33	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/09/15 20:33	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/09/15 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*04/09/15 20:33*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/09/15 20:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*04/09/15 20:33*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/09/15 20:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-10(0-5)-040815
Date Collected: 04/08/15 11:10
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-8
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Carbazole	<190		190	97	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Chrysene	<37		37	10	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: AL-10(0-5)-040815
Date Collected: 04/08/15 11:10
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-8
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Isophorone	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Phenanthrene	<37		37	5.3	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Phenol	<190		190	84	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1
Pyrene	<37		37	7.5	ug/Kg	☼	04/13/15 07:17	04/13/15 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*04/13/15 07:17*	*04/13/15 22:03*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*04/13/15 07:17*	*04/13/15 22:03*	*1*
2-Fluorophenol	*65*		*25 - 110*	*04/13/15 07:17*	*04/13/15 22:03*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*04/13/15 07:17*	*04/13/15 22:03*	*1*
Phenol-d5	*65*		*31 - 110*	*04/13/15 07:17*	*04/13/15 22:03*	*1*
Terphenyl-d14	*86*		*36 - 134*	*04/13/15 07:17*	*04/13/15 22:03*	*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		04/13/15 08:40	04/14/15 00:22	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 00:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 00:22	1
Cadmium	**0.0032**	**J ^**	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 00:22	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:22	1
Cobalt	**0.041**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:22	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:22	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 00:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 18:57	1
Manganese	**4.4**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:22	1
Nickel	**0.053**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:22	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 00:22	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:22	1
Zinc	**0.028**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 09:45	04/14/15 04:31	1
Barium	**0.099**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 04:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 04:31	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 04:31	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:31	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:31	1
Copper	**0.032**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:31	1
Iron	**22**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 04:31	1
Lead	**0.021**		0.0075	0.0075	mg/L		04/13/15 09:45	04/14/15 17:55	1
Manganese	**0.10**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:31	1
Nickel	**0.025**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:31	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 04:31	1

Client Sample ID: AL-10(0-5)-040815
Date Collected: 04/08/15 11:10
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-8
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		04/13/15 09:45	04/14/15 04:31	1
Zinc	**0.17**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 04:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.27**	**J**	1.1	0.23	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Arsenic	**6.7**		0.57	0.26	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Barium	**38**		0.57	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Beryllium	**0.55**		0.23	0.049	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Cadmium	**0.31**		0.11	0.033	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Calcium	**49000**		11	3.6	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Chromium	**16**		0.57	0.097	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Cobalt	**8.2**		0.28	0.064	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Copper	**21**		0.57	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Iron	**18000**		11	4.4	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Lead	**13**		0.28	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Magnesium	**25000**		5.7	2.3	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Manganese	**340**		0.57	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Nickel	**22**		0.57	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Potassium	**2800**		28	4.6	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Sodium	**200**		57	7.5	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Thallium	**0.43**	**J**	0.57	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Vanadium	**17**		0.28	0.083	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1
Zinc	**47**	**B**	1.1	0.36	mg/Kg	☼	04/09/15 16:58	04/10/15 14:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 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		04/13/15 12:00	04/14/15 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		17	5.9	ug/Kg	☼	04/10/15 10:30	04/13/15 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.51**		0.200	0.200	SU			04/09/15 15:29	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
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.

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 - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

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 6[illegible]
Phone: 708.534.5200 Fax: 708.53[illegible]

500-94378 COC

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramanian	Contact:	
Company:	Weston	Company:	
Address:	300 Plaza Circle Ste 202	Address:	Same
Address:	Mundelein, IL 60061	Address:	
Phone:	224-864-7280	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Chain of Custody Record

Lab Job #: 500-94378

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: 3, 1, 2, 7

Client: Weston

Client Project #:

Project Name: IDOT-019

Project Location/State: New Lenox / IL

Lab Project #:

Sampler: T. Walls

Lab PM: D 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	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH					Comments
1		AL-2(0-4)-040815	4-8-15	0925	2	S	X	X	X	X	X					
2		AL-2(0-4)-040815D	↓	0925	↓	↓	↓	↓	↓	↓	↓					
3		AL-4(0-6.5)-040815	↓	0940	↓	↓	↓	↓	↓	↓	↓					
4		AL-6(0-6.5)-040815	↓	1000	↓	↓	↓	↓	↓	↓	↓					
5		AL-7(0-6.5)-040815	↓	1020	↓	↓	↓	↓	↓	↓	↓					
6		AL-8(0-5)-040815	↓	1040	↓	↓	↓	↓	↓	↓	↓					
7		AL-9(0-6.5)-040815	↓	1050	↓	↓	↓	↓	↓	↓	↓					
8		AL-10(0-5)-040815	↓	1110	↓	↓	↓	↓	↓	↓	↓					
9		R8-1(0-2)-040815	↓	1125	↓	↓	↓	↓	↓	↓	↓					
10		R8-2(0-2)-040815	4-8-15	1135	2	S	X	X	X	X	X					

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
Timothy A. Walls	Weston	4-8-15	1505	[signature]	TAL	4-8-15	1505
[signature]	TAL	4-8-15	1540	Sherri Scott	TA-CHI	4/8/15	1540

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:

TAL-4124-500 (1209)

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
Address: 300 Plaza Circle Ste 202
Address: Naperville, IL 60563
Phone: 224-864-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94378
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: SVOC	SVOC	Total metals	TCLP/SPLP metals	PFT	Comments
11		UR-5(0-2)-040815	4-8-15	1155	2	S		X	X	X	X	X	
12		UR-5(0-2)-040815D		1155									
13		UR-2(0-5)-040815		1225									
14		UR-4(0-5)-040815		1235									
15		RB-3(0-5.5)-040815		1245									
16		RB-4(0-5.5)-040815		1300									
17		RB-5(0-4)-040815		1310									
18		GK-2(0-2)-040815		1325									
19		GK-1(0-2)-040815		1335									
20		W10-1(0-3)-040815	4-8-15	1345	2	S		X	X	X	X	X	

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
Timothy A. Walls	Weston	4-8-15	1505				
		4-8-15	1540		TA-CHI	4/8/15	1540

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:

TAL-4124-500 (1209)

4/16/2015

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: 500-94425-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/20/2015 5:19:56 PM

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

Client Sample ID: AL-11(0-6.5)-040915
Date Collected: 04/09/15 08:40
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-5
Matrix: Solid
Percent Solids: 76.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.6		6.6	2.8	ug/Kg	☼		04/13/15 16:20	1
Benzene	<6.6		6.6	0.90	ug/Kg	☼		04/13/15 16:20	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg	☼		04/13/15 16:20	1
Bromoform	<6.6		6.6	1.5	ug/Kg	☼		04/13/15 16:20	1
Bromomethane	<6.6		6.6	2.0	ug/Kg	☼		04/13/15 16:20	1
Carbon disulfide	<6.6		6.6	0.98	ug/Kg	☼		04/13/15 16:20	1
Carbon tetrachloride	<6.6		6.6	1.2	ug/Kg	☼		04/13/15 16:20	1
Chlorobenzene	<6.6		6.6	0.66	ug/Kg	☼		04/13/15 16:20	1
Chloroethane	<6.6		6.6	1.8	ug/Kg	☼		04/13/15 16:20	1
Chloroform	<6.6		6.6	0.75	ug/Kg	☼		04/13/15 16:20	1
Chloromethane	<6.6		6.6	1.4	ug/Kg	☼		04/13/15 16:20	1
cis-1,2-Dichloroethene	<6.6		6.6	0.93	ug/Kg	☼		04/13/15 16:20	1
cis-1,3-Dichloropropene	<6.6		6.6	0.86	ug/Kg	☼		04/13/15 16:20	1
Dibromochloromethane	<6.6		6.6	1.1	ug/Kg	☼		04/13/15 16:20	1
1,1-Dichloroethane	<6.6		6.6	1.0	ug/Kg	☼		04/13/15 16:20	1
1,2-Dichloroethane	<6.6		6.6	0.97	ug/Kg	☼		04/13/15 16:20	1
1,1-Dichloroethene	<6.6		6.6	1.1	ug/Kg	☼		04/13/15 16:20	1
1,2-Dichloropropane	<6.6		6.6	0.99	ug/Kg	☼		04/13/15 16:20	1
1,3-Dichloropropene, Total	<6.6		6.6	0.86	ug/Kg	☼		04/13/15 16:20	1
Ethylbenzene	<6.6		6.6	1.3	ug/Kg	☼		04/13/15 16:20	1
2-Hexanone	<6.6		6.6	1.9	ug/Kg	☼		04/13/15 16:20	1
Methylene Chloride	<6.6		6.6	1.8	ug/Kg	☼		04/13/15 16:20	1
Methyl Ethyl Ketone	<6.6		6.6	2.4	ug/Kg	☼		04/13/15 16:20	1
methyl isobutyl ketone	<6.6		6.6	1.7	ug/Kg	☼		04/13/15 16:20	1
Methyl tert-butyl ether	<6.6		6.6	1.1	ug/Kg	☼		04/13/15 16:20	1
Styrene	<6.6		6.6	0.86	ug/Kg	☼		04/13/15 16:20	1
1,1,2,2-Tetrachloroethane	<6.6		6.6	1.3	ug/Kg	☼		04/13/15 16:20	1
Tetrachloroethene	<6.6		6.6	1.0	ug/Kg	☼		04/13/15 16:20	1
Toluene	<6.6		6.6	0.92	ug/Kg	☼		04/13/15 16:20	1
trans-1,2-Dichloroethene	<6.6		6.6	0.90	ug/Kg	☼		04/13/15 16:20	1
trans-1,3-Dichloropropene	<6.6		6.6	1.2	ug/Kg	☼		04/13/15 16:20	1
1,1,1-Trichloroethane	<6.6		6.6	0.98	ug/Kg	☼		04/13/15 16:20	1
1,1,2-Trichloroethane	<6.6		6.6	0.89	ug/Kg	☼		04/13/15 16:20	1
Trichloroethene	<6.6		6.6	1.1	ug/Kg	☼		04/13/15 16:20	1
Vinyl chloride	<6.6		6.6	1.4	ug/Kg	☼		04/13/15 16:20	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		04/13/15 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*04/13/15 16:20*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*04/13/15 16:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/13/15 16:20*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/13/15 16:20*	*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	46	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-11(0-6.5)-040915
Date Collected: 04/09/15 08:40
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-5
Matrix: Solid
Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	96	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2-Methylnaphthalene	<42		42	7.8	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2-Methylphenol	<210		210	68	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
4,6-Dinitro-2-methylphenol	<420	*	420	340	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Acenaphthylene	<42		42	5.6	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Anthracene	<42		42	7.1	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Benzo[a]anthracene	<42		42	5.7	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Benzo[a]pyrene	<42		42	8.2	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Benzo[b]fluoranthene	<42		42	9.1	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Benzo[g,h,i]perylene	<42		42	14	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Benzo[k]fluoranthene	<42		42	12	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Carbazole	<210		210	110	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Chrysene	<42		42	12	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Dibenz(a,h)anthracene	<42		42	8.2	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Dibenzofuran	<210		210	49	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Fluoranthene	**22**	**J**	42	7.8	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Fluorene	<42		42	5.9	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Hexachloroethane	<210		210	64	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-11(0-6.5)-040915
Date Collected: 04/09/15 08:40
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-5
Matrix: Solid
Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<42		42	11	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Isophorone	<210		210	47	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Naphthalene	<42		42	6.5	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Nitrobenzene	<42		42	11	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
N-Nitrosodi-n-propylamine	<210		210	52	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Phenanthrene	<42		42	5.9	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Phenol	<210		210	94	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1
Pyrene	**20**	**J**	42	8.4	ug/Kg	☼	04/14/15 17:51	04/20/15 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*40*		*35 - 137*	*04/14/15 17:51*	*04/20/15 11:11*	*1*
2-Fluorobiphenyl	*38*		*25 - 119*	*04/14/15 17:51*	*04/20/15 11:11*	*1*
2-Fluorophenol	*35*		*25 - 110*	*04/14/15 17:51*	*04/20/15 11:11*	*1*
Nitrobenzene-d5	*30*		*25 - 115*	*04/14/15 17:51*	*04/20/15 11:11*	*1*
Phenol-d5	*37*		*31 - 110*	*04/14/15 17:51*	*04/20/15 11:11*	*1*
Terphenyl-d14	*54*		*36 - 134*	*04/14/15 17:51*	*04/20/15 11:11*	*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		04/16/15 08:30	04/16/15 20:19	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		04/16/15 08:30	04/16/15 20:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 20:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 20:19	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:19	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:19	1
Copper	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:19	1
Iron	<0.20		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 20:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 20:19	1
Manganese	**0.20**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:19	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:19	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 20:19	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:19	1
Zinc	**0.23**		0.10	0.020	mg/L		04/16/15 08:30	04/16/15 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.035**	**J**	0.050	0.010	mg/L		04/16/15 10:30	04/16/15 17:42	1
Barium	**0.50**		0.50	0.050	mg/L		04/16/15 10:30	04/16/15 17:42	1
Beryllium	**0.0047**		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 17:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 17:42	1
Chromium	**0.12**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:42	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:42	1
Copper	**0.082**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:42	1
Iron	**110**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 17:42	1
Lead	**0.047**		0.038	0.038	mg/L		04/16/15 10:30	04/17/15 12:50	5
Manganese	**0.61**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:42	1
Nickel	**0.082**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:42	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 17:42	1

Client Sample ID: AL-11(0-6.5)-040915
Date Collected: 04/09/15 08:40
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-5
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		04/16/15 10:30	04/16/15 17:42	1
Zinc	**0.57**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 17:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.45**	**J**	1.2	0.25	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Arsenic	**9.2**		0.60	0.28	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Barium	**86**		0.60	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Beryllium	**0.80**		0.24	0.052	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Cadmium	**0.27**		0.12	0.035	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Calcium	**3800**		12	3.9	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Chromium	**20**		0.60	0.10	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Cobalt	**8.1**		0.30	0.068	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Copper	**18**		0.60	0.13	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Iron	**22000**		12	4.6	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Lead	**14**		0.30	0.15	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Magnesium	**4500**		6.0	2.4	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Manganese	**560**		0.60	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Nickel	**21**		0.60	0.16	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Potassium	**1600**		30	4.9	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Sodium	**1500**		60	7.9	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Thallium	**0.62**		0.60	0.29	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Vanadium	**32**		0.30	0.087	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1
Zinc	**56**	**B**	1.2	0.38	mg/Kg	☼	04/12/15 18:16	04/13/15 14:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 12:05	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	**28**		21	7.4	ug/Kg	☼	04/13/15 14:30	04/14/15 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.58**		0.200	0.200	SU			04/15/15 13:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-5(0-4)-040915
Date Collected: 04/09/15 09:45
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-12
Matrix: Solid
Percent Solids: 80.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		04/13/15 19:16	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		04/13/15 19:16	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 19:16	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/13/15 19:16	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/13/15 19:16	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		04/13/15 19:16	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 19:16	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/13/15 19:16	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/13/15 19:16	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		04/13/15 19:16	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 19:16	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		04/13/15 19:16	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		04/13/15 19:16	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 19:16	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/13/15 19:16	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/13/15 19:16	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 19:16	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		04/13/15 19:16	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		04/13/15 19:16	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 19:16	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/13/15 19:16	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/13/15 19:16	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		04/13/15 19:16	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/13/15 19:16	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 19:16	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		04/13/15 19:16	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 19:16	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		04/13/15 19:16	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		04/13/15 19:16	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		04/13/15 19:16	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 19:16	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		04/13/15 19:16	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		04/13/15 19:16	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 19:16	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 19:16	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/13/15 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*04/13/15 19:16*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*04/13/15 19:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*04/13/15 19:16*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*04/13/15 19:16*	*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	☼	04/14/15 17:51	04/16/15 18:16	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-5(0-4)-040915
Date Collected: 04/09/15 09:45
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-12
Matrix: Solid
Percent Solids: 80.7

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	☼	04/14/15 17:51	04/16/15 18:16	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2,4-Dinitrophenol	<830		830	720	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2-Methylnaphthalene	<41		41	7.6	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2-Methylphenol	<210		210	66	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
4,6-Dinitro-2-methylphenol	<410	*	410	330	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Anthracene	<41		41	6.9	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Benzo[a]anthracene	**16**	**J**	41	5.5	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Benzo[a]pyrene	**17**	**J**	41	8.0	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Benzo[b]fluoranthene	**23**	**J**	41	8.9	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Carbazole	<210		210	110	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Chrysene	**16**	**J**	41	11	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Dibenzofuran	<210		210	48	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Fluoranthene	**24**	**J**	41	7.6	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Fluorene	<41		41	5.8	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Hexachloroethane	<210		210	63	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-5(0-4)-040915
Date Collected: 04/09/15 09:45
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-12
Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Isophorone	<210		210	46	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Naphthalene	<41		41	6.3	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Nitrobenzene	<41		41	10	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
N-Nitrosodi-n-propylamine	<210		210	50	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Phenanthrene	**9.8**	**J**	41	5.7	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Phenol	<210		210	91	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1
Pyrene	**23**	**J**	41	8.2	ug/Kg	☼	04/14/15 17:51	04/16/15 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*35 - 137*	*04/14/15 17:51*	*04/16/15 18:16*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*04/14/15 17:51*	*04/16/15 18:16*	*1*
2-Fluorophenol	*50*		*25 - 110*	*04/14/15 17:51*	*04/16/15 18:16*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*04/14/15 17:51*	*04/16/15 18:16*	*1*
Phenol-d5	*52*		*31 - 110*	*04/14/15 17:51*	*04/16/15 18:16*	*1*
Terphenyl-d14	*82*		*36 - 134*	*04/14/15 17:51*	*04/16/15 18:16*	*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		04/16/15 08:30	04/16/15 21:02	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		04/16/15 08:30	04/16/15 21:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 21:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 21:02	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:02	1
Copper	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:02	1
Iron	**0.27**		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 21:02	1
Lead	**0.027**		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 21:02	1
Manganese	**0.40**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:02	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:02	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 21:02	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:02	1
Zinc	**0.085**	**J**	0.10	0.020	mg/L		04/16/15 08:30	04/16/15 21:02	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		04/16/15 10:30	04/16/15 18:21	1
Barium	**0.095**	**J**	0.50	0.050	mg/L		04/16/15 10:30	04/16/15 18:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 18:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 18:21	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:21	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:21	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:21	1
Iron	**2.1**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 18:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 10:30	04/16/15 18:21	1
Manganese	**0.025**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:21	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:21	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 18:21	1

Client Sample ID: AL-5(0-4)-040915
Date Collected: 04/09/15 09:45
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-12
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		04/16/15 10:30	04/16/15 18:21	1
Zinc	**0.11**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 18:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.65**	**J**	1.2	0.26	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Arsenic	**11**		0.62	0.28	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Barium	**79**		0.62	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Beryllium	**0.88**		0.25	0.053	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Cadmium	**0.31**		0.12	0.036	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Calcium	**8600**		12	4.0	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Chromium	**23**		0.62	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Cobalt	**11**		0.31	0.070	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Copper	**27**		0.62	0.13	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Iron	**27000**		12	4.8	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Lead	**17**		0.31	0.15	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Magnesium	**9000**		6.2	2.5	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Manganese	**460**		0.62	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Nickel	**30**		0.62	0.17	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Potassium	**2400**		31	5.0	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Selenium	<0.62		0.62	0.31	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Silver	<0.31		0.31	0.072	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Sodium	**340**		62	8.1	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Thallium	**0.66**		0.62	0.30	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Vanadium	**30**		0.31	0.090	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	1
Zinc	**62**	**B**	1.2	0.39	mg/Kg	☼	04/12/15 18:16	04/13/15 15:22	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		04/16/15 12:00	04/17/15 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**		20	7.1	ug/Kg	☼	04/13/15 14:30	04/14/15 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.69**		0.200	0.200	SU			04/15/15 13:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-3(0-6.5)-040915
Date Collected: 04/09/15 10:00
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-13
Matrix: Solid
Percent Solids: 86.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/13/15 19:41	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/13/15 19:41	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/13/15 19:41	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/13/15 19:41	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/13/15 19:41	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/13/15 19:41	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/13/15 19:41	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/13/15 19:41	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/13/15 19:41	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/13/15 19:41	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/13/15 19:41	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/13/15 19:41	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/13/15 19:41	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/13/15 19:41	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/13/15 19:41	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/13/15 19:41	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/13/15 19:41	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/13/15 19:41	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/13/15 19:41	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/13/15 19:41	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/13/15 19:41	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/13/15 19:41	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/13/15 19:41	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/13/15 19:41	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/13/15 19:41	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/13/15 19:41	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/13/15 19:41	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/13/15 19:41	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/13/15 19:41	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/13/15 19:41	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/13/15 19:41	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/13/15 19:41	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/13/15 19:41	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/13/15 19:41	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/13/15 19:41	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/13/15 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*04/13/15 19:41*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/13/15 19:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/13/15 19:41*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/13/15 19:41*	*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	☼	04/14/15 17:51	04/20/15 10:55	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-3(0-6.5)-040915
Date Collected: 04/09/15 10:00
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-13
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
4,6-Dinitro-2-methylphenol	<380	*	380	310	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Carbazole	<190		190	99	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Chrysene	<38		38	10	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-3(0-6.5)-040915
Date Collected: 04/09/15 10:00
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-13
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Isophorone	<190		190	43	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Phenol	<190		190	85	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1
Pyrene	<38		38	7.6	ug/Kg	☼	04/14/15 17:51	04/20/15 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*35 - 137*	*04/14/15 17:51*	*04/20/15 10:55*	*1*
2-Fluorobiphenyl	*49*		*25 - 119*	*04/14/15 17:51*	*04/20/15 10:55*	*1*
2-Fluorophenol	*50*		*25 - 110*	*04/14/15 17:51*	*04/20/15 10:55*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*04/14/15 17:51*	*04/20/15 10:55*	*1*
Phenol-d5	*37*		*31 - 110*	*04/14/15 17:51*	*04/20/15 10:55*	*1*
Terphenyl-d14	*70*		*36 - 134*	*04/14/15 17:51*	*04/20/15 10:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/16/15 08:30	04/16/15 21:07	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		04/16/15 08:30	04/16/15 21:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 21:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 21:07	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:07	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:07	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:07	1
Iron	<0.20		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 21:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 21:07	1
Manganese	**0.80**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:07	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:07	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 21:07	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:07	1
Zinc	**0.076**	**J**	0.10	0.020	mg/L		04/16/15 08:30	04/16/15 21:07	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		04/16/15 10:30	04/16/15 18:25	1
Barium	**0.10**	**J**	0.50	0.050	mg/L		04/16/15 10:30	04/16/15 18:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 18:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 18:25	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:25	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:25	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:25	1
Iron	**4.2**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 18:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 10:30	04/16/15 18:25	1
Manganese	**0.022**	**J**	0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:25	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:25	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 18:25	1

Client Sample ID: AL-3(0-6.5)-040915
Date Collected: 04/09/15 10:00
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-13
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		04/16/15 10:30	04/16/15 18:25	1
Zinc	**0.16**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 18:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.46**	**J**	1.1	0.23	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Arsenic	**8.6**		0.54	0.25	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Barium	**35**		0.54	0.10	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Beryllium	**0.58**		0.22	0.047	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Cadmium	**0.48**		0.11	0.032	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Calcium	**41000**		11	3.5	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Chromium	**16**		0.54	0.094	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Cobalt	**20**		0.27	0.062	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Copper	**23**		0.54	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Iron	**20000**		11	4.2	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Lead	**14**		0.27	0.14	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Magnesium	**24000**		5.4	2.2	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Manganese	**750**		0.54	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Nickel	**42**		0.54	0.15	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Potassium	**3200**		27	4.4	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Sodium	**840**		54	7.2	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Thallium	**1.7**		0.54	0.27	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Vanadium	**18**		0.27	0.079	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1
Zinc	**52**	**B**	1.1	0.34	mg/Kg	☼	04/12/15 18:16	04/13/15 15:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 12:28	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	**28**		18	6.4	ug/Kg	☼	04/13/15 14:30	04/14/15 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.48**		0.200	0.200	SU			04/15/15 13:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-1(0-4)-040915
Date Collected: 04/09/15 10:15
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-14
Matrix: Solid
Percent Solids: 80.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		04/13/15 20:05	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		04/13/15 20:05	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 20:05	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/13/15 20:05	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/13/15 20:05	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		04/13/15 20:05	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 20:05	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/13/15 20:05	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/13/15 20:05	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		04/13/15 20:05	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 20:05	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		04/13/15 20:05	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		04/13/15 20:05	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 20:05	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/13/15 20:05	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/13/15 20:05	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 20:05	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		04/13/15 20:05	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		04/13/15 20:05	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 20:05	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/13/15 20:05	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/13/15 20:05	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		04/13/15 20:05	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/13/15 20:05	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 20:05	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		04/13/15 20:05	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 20:05	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		04/13/15 20:05	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		04/13/15 20:05	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	☼		04/13/15 20:05	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 20:05	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		04/13/15 20:05	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		04/13/15 20:05	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 20:05	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 20:05	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/13/15 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*04/13/15 20:05*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/13/15 20:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/13/15 20:05*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/13/15 20:05*	*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	☼	04/14/15 17:51	04/20/15 11:17	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-1(0-4)-040915
Date Collected: 04/09/15 10:15
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-14
Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
4,6-Dinitro-2-methylphenol	<400	*	400	320	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Anthracene	<40		40	6.7	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Carbazole	<200		200	100	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Chrysene	<40		40	11	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Fluorene	<40		40	5.6	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: AL-1(0-4)-040915
Date Collected: 04/09/15 10:15
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-14
Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Isophorone	<200		200	45	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Naphthalene	<40		40	6.2	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Phenol	<200		200	89	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1
Pyrene	<40		40	8.0	ug/Kg	☼	04/14/15 17:51	04/20/15 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*35 - 137*	*04/14/15 17:51*	*04/20/15 11:17*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*04/14/15 17:51*	*04/20/15 11:17*	*1*
2-Fluorophenol	*65*		*25 - 110*	*04/14/15 17:51*	*04/20/15 11:17*	*1*
Nitrobenzene-d5	*47*		*25 - 115*	*04/14/15 17:51*	*04/20/15 11:17*	*1*
Phenol-d5	*56*		*31 - 110*	*04/14/15 17:51*	*04/20/15 11:17*	*1*
Terphenyl-d14	*94*		*36 - 134*	*04/14/15 17:51*	*04/20/15 11:17*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/16/15 08:30	04/16/15 21:12	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		04/16/15 08:30	04/16/15 21:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 21:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 21:12	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:12	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:12	1
Copper	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:12	1
Iron	**0.31**		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 21:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 21:12	1
Manganese	**0.35**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:12	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:12	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 21:12	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 21:12	1
Zinc	**0.20**		0.10	0.020	mg/L		04/16/15 08:30	04/16/15 21:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.049**	**J**	0.050	0.010	mg/L		04/16/15 10:30	04/16/15 18:29	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		04/16/15 10:30	04/16/15 18:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 18:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 18:29	1
Chromium	**0.089**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:29	1
Cobalt	**0.026**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:29	1
Copper	**0.14**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:29	1
Iron	**99**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 18:29	1
Lead	**0.069**		0.038	0.038	mg/L		04/16/15 10:30	04/17/15 13:27	5
Manganese	**0.35**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:29	1
Nickel	**0.10**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 18:29	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 18:29	1

Client Sample ID: AL-1(0-4)-040915
Date Collected: 04/09/15 10:15
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-14
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		04/16/15 10:30	04/16/15 18:29	1
Zinc	**0.43**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 18:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.80**	**J**	1.2	0.25	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Arsenic	**9.9**		0.61	0.28	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Barium	**72**		0.61	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Beryllium	**0.81**		0.24	0.053	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Cadmium	**0.23**		0.12	0.035	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Calcium	**4800**		12	3.9	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Chromium	**22**		0.61	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Cobalt	**9.3**		0.31	0.069	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Copper	**27**		0.61	0.13	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Iron	**26000**		12	4.7	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Lead	**15**		0.31	0.15	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Magnesium	**6100**		6.1	2.5	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Manganese	**400**		0.61	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Nickel	**27**		0.61	0.17	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Potassium	**2300**		31	5.0	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Selenium	<0.61		0.61	0.30	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Silver	<0.31		0.31	0.072	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Sodium	**900**		61	8.1	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Thallium	**0.93**		0.61	0.30	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Vanadium	**28**		0.31	0.089	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	1
Zinc	**57**	**B**	1.2	0.39	mg/Kg	☼	04/12/15 18:16	04/13/15 15:50	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		04/16/15 12:00	04/17/15 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		04/16/15 12:00	04/17/15 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		20	7.1	ug/Kg	☼	04/13/15 14:30	04/14/15 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.25**		0.200	0.200	SU			04/15/15 13:46	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94425 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 320 Plaza Circle Ste 202
Address: Munderlein, IL 60060
Phone: 224-858-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
1		WG-2(0-3)-040915	4-9-15	0750	2	S	X	X	X	X	X	
2		RS-1(0-2)-040915		0805								
3		RS-2(0-2)-040915		0815								
4		R4-1(0-4)-040915		0830								
5		AL-11(0-6.5)-040915		0840								
6		TOW-1(0-5)-040915		0855								
7		FL-4(0-5)-040915		0900								
8		FL-3(0-5)-040915		0910								
9		FL-2(0-5)-040915		0925								
10		FL-2(0-5)-040915D	4-9-15	0925	2	S	X	X	X	X	X	

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 [X] 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
[signature]	Weston	4-9-15	1155	[signature]	TA	4/9/15	1155
[signature]	TA	4/9/15	1230	[signature]	TA-CHI	4/9/15	1230

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Kirkham Circle Ste 202
Address: Mundelein IL 60060
Phone: 224-874-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: FDOT-019
Project Location/State: Wash Lonox / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH	Comments
11		FL-1(0-5)-040915	4-9-15	0940	2	S		X	X	X	X	X	
12		AL-5(0-4)-040915	↓	0945	↓	↓		↓	↓	↓	↓	↓	
13		AL-3(0-6.5)-040915	↓	1000	↓	↓		↓	↓	↓	↓	↓	
14		AL-1(0-4)-040915	4-9-15	1015	2	S		X	X	X	X	X	

T. Walls 4-9-15

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 [X] 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
Timothy A. Walls	Weston	4-9-15	1155		TA	4/9/15	1155
	TA	4/9/15	1230		TA-CHI	4/9/15	1230

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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

13410 W. Maple Road (ISGS Site No. 2177V-2)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.548790341 (Decimal Degrees) Longitude: -87.942947905 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAU 297: US 6 at Parker Road

Latitude: 41.548790341 Longitude: -87.942947905

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 FL-3 AND FL-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 2177V-2. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94425-1.
ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 June 2015
Date:

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

Summary Table of ISGS Site No. 2177V-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	FL-3(0-5)-040915	FL-4(0-5)-040915	**Soil Reference Concentrations[A]**
Sample Date	4/9/2015	4/9/2015	
Location ID	FL-3	FL-4	
Depth	0 - 5	0 - 5	
Lab Sample ID	500-94425-8	500-94425-7	
ISGS Site No.	2177V-2	2177V-2	
Parameter			
Laboratory pH (s.u.)	7.95	7.4	<6.25,>9.0
VOCs (ug/kg)			
Acetone	65	13	25000
Methyl ethyl ketone	8.7	ND	---
SVOCs	**No Detections**		
Total Metals (mg/kg)			
Antimony, Total	0.62 J	0.61 J	5
Arsenic, Total	10 J-	9 J-	11.3 / 13.0
Barium, Total	77	77	1500
Beryllium, Total	0.92	0.87	22
Cadmium, Total	0.22	0.16	5.2
Calcium, Total	2800 J+	2300 J+	---
Chromium, Total	24 J+	23 J+	21
Cobalt, Total	12	6.6	20
Copper, Total	40 J-	21 J-	2900
Iron, Total	27000 J	26000 J	15000 / 15900
Lead, Total	16 J	12 J	107
Magnesium, Total	5900 J	4400 J	325000
Manganese, Total	340 J	270 J	630 / 636
Mercury, Total	0.03	0.035	0.89
Nickel, Total	32 J-	23 J-	100
Potassium, Total	2600 J+	2100 J+	---
Sodium, Total	1500	1700	---
Thallium, Total	0.48 J	0.33 J	2.6
Vanadium, Total	28 J+	34 J+	550
Zinc, Total	58 B	51 B	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	0.01 J	0.05
Barium, TCLP	0.5	0.3 J	2
Manganese, TCLP	3.8	1.8	0.15
Nickel, TCLP	0.02 J	0.018 J	0.1
Zinc, TCLP	0.17	0.04 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.035 J	ND	0.05
Barium, SPLP	0.49 J	0.11 J	2
Beryllium, SPLP	0.0064	ND	0.004
Chromium, SPLP	0.13	0.015 J	0.1
Cobalt, SPLP	0.041	ND	1
Copper, SPLP	0.14	0.017 J	0.65
Iron, SPLP	110 J-	7.7 J-	5
Lead, SPLP	0.072	ND	0.0075
Manganese, SPLP	0.91	0.054	0.15
Nickel, SPLP	0.14	ND	0.1
Zinc, SPLP	0.4 B	0.34 B	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94425-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/20/2015 5:19:56 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: FL-4(0-5)-040915
Date Collected: 04/09/15 09:00
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-7
Matrix: Solid
Percent Solids: 81.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		6.1	2.7	ug/Kg	☼		04/13/15 17:10	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		04/13/15 17:10	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/13/15 17:10	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/13/15 17:10	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	☼		04/13/15 17:10	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	☼		04/13/15 17:10	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/13/15 17:10	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/13/15 17:10	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/13/15 17:10	1
Chloroform	<6.1		6.1	0.71	ug/Kg	☼		04/13/15 17:10	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/13/15 17:10	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		04/13/15 17:10	1
cis-1,3-Dichloropropene	<6.1		6.1	0.81	ug/Kg	☼		04/13/15 17:10	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/13/15 17:10	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		04/13/15 17:10	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/13/15 17:10	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		04/13/15 17:10	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		04/13/15 17:10	1
1,3-Dichloropropene, Total	<6.1		6.1	0.81	ug/Kg	☼		04/13/15 17:10	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/13/15 17:10	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/13/15 17:10	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		04/13/15 17:10	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/13/15 17:10	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/13/15 17:10	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/13/15 17:10	1
Styrene	<6.1		6.1	0.81	ug/Kg	☼		04/13/15 17:10	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/13/15 17:10	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		04/13/15 17:10	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		04/13/15 17:10	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/13/15 17:10	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/13/15 17:10	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	☼		04/13/15 17:10	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	☼		04/13/15 17:10	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/13/15 17:10	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/13/15 17:10	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/13/15 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*04/13/15 17:10*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*04/13/15 17:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*04/13/15 17:10*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/13/15 17:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: FL-4(0-5)-040915
Date Collected: 04/09/15 09:00
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-7
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2,4-Dinitrotoluene	<200	*	200	62	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2,6-Dinitrotoluene	<200	*	200	77	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2-Chloronaphthalene	<200	*	200	43	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2-Nitroaniline	<200	*	200	53	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
3-Nitroaniline	<390	*	390	120	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
4-Nitroaniline	<390	*	390	160	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Acenaphthylene	<39	*	39	5.2	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Benzo[a]anthracene	<39	*	39	5.3	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Carbazole	<200		200	100	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Chrysene	<39	*	39	11	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Dibenzofuran	<200	*	200	46	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Dimethyl phthalate	<200	*	200	51	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: FL-4(0-5)-040915
Date Collected: 04/09/15 09:00
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-7
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Isophorone	<200		200	44	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
N-Nitrosodi-n-propylamine	<200	*	200	48	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Phenol	<200	*	200	87	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1
Pyrene	<39		39	7.8	ug/Kg	☼	04/20/15 08:16	04/20/15 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*35 - 137*	*04/20/15 08:16*	*04/20/15 14:41*	*1*
2-Fluorobiphenyl	*41*		*25 - 119*	*04/20/15 08:16*	*04/20/15 14:41*	*1*
2-Fluorophenol	*59*		*25 - 110*	*04/20/15 08:16*	*04/20/15 14:41*	*1*
Nitrobenzene-d5	*57*		*25 - 115*	*04/20/15 08:16*	*04/20/15 14:41*	*1*
Phenol-d5	*17*	*X*	*31 - 110*	*04/20/15 08:16*	*04/20/15 14:41*	*1*
Terphenyl-d14	*80*		*36 - 134*	*04/20/15 08:16*	*04/20/15 14:41*	*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		04/16/15 08:30	04/16/15 20:29	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		04/16/15 08:30	04/16/15 20:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 20:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 20:29	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:29	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:29	1
Copper	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:29	1
Iron	<0.20		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 20:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 20:29	1
Manganese	**1.8**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:29	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:29	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 20:29	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:29	1
Zinc	**0.040**	**J**	0.10	0.020	mg/L		04/16/15 08:30	04/16/15 20:29	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		04/16/15 10:30	04/16/15 17:51	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		04/16/15 10:30	04/16/15 17:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 17:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 17:51	1
Chromium	**0.015**	**J**	0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:51	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:51	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:51	1
Iron	**7.7**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 17:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 10:30	04/16/15 17:51	1
Manganese	**0.054**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:51	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:51	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 17:51	1

Client Sample ID: FL-4(0-5)-040915
Date Collected: 04/09/15 09:00
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-7
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		04/16/15 10:30	04/16/15 17:51	1
Zinc	**0.34**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 17:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.61**	**J**	1.2	0.25	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Arsenic	**9.0**		0.60	0.28	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Barium	**77**		0.60	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Beryllium	**0.87**		0.24	0.052	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Cadmium	**0.16**		0.12	0.034	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Calcium	**2300**		12	3.8	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Chromium	**23**		0.60	0.10	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Cobalt	**6.6**		0.30	0.067	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Copper	**21**		0.60	0.13	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Iron	**26000**		12	4.6	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Lead	**12**		0.30	0.15	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Magnesium	**4400**		6.0	2.4	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Manganese	**270**		0.60	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Nickel	**23**		0.60	0.16	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Potassium	**2100**		30	4.9	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Selenium	<0.60		0.60	0.29	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Sodium	**1700**		60	7.9	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Thallium	**0.33**	**J**	0.60	0.29	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Vanadium	**34**		0.30	0.087	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1
Zinc	**51**	**B**	1.2	0.38	mg/Kg	☼	04/12/15 18:16	04/13/15 14:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 12:09	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	**35**		20	6.8	ug/Kg	☼	04/13/15 14:30	04/14/15 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.40**		0.200	0.200	SU			04/15/15 13:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: FL-3(0-5)-040915
Date Collected: 04/09/15 09:10
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-8
Matrix: Solid
Percent Solids: 81.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**65**		6.2	2.7	ug/Kg	☼		04/13/15 17:35	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		04/13/15 17:35	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 17:35	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/13/15 17:35	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/13/15 17:35	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		04/13/15 17:35	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 17:35	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/13/15 17:35	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/13/15 17:35	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		04/13/15 17:35	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 17:35	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		04/13/15 17:35	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		04/13/15 17:35	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 17:35	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/13/15 17:35	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/13/15 17:35	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 17:35	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		04/13/15 17:35	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		04/13/15 17:35	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		04/13/15 17:35	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/13/15 17:35	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/13/15 17:35	1
Methyl Ethyl Ketone	**8.7**		6.2	2.2	ug/Kg	☼		04/13/15 17:35	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/13/15 17:35	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 17:35	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		04/13/15 17:35	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		04/13/15 17:35	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		04/13/15 17:35	1
Toluene	<6.2		6.2	0.86	ug/Kg	☼		04/13/15 17:35	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		04/13/15 17:35	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/13/15 17:35	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/13/15 17:35	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		04/13/15 17:35	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/13/15 17:35	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/13/15 17:35	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/13/15 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*04/13/15 17:35*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*04/13/15 17:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/13/15 17:35*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/13/15 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	<1000		1000	220	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
1,2-Dichlorobenzene	<1000		1000	240	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
1,3-Dichlorobenzene	<1000		1000	230	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
1,4-Dichlorobenzene	<1000		1000	260	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2,2'-oxybis[1-chloropropane]	<1000		1000	230	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: FL-3(0-5)-040915
Date Collected: 04/09/15 09:10
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-8
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	<2000		2000	460	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2,4,6-Trichlorophenol	<2000		2000	690	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2,4-Dichlorophenol	<2000		2000	480	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2,4-Dimethylphenol	<2000		2000	760	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2,4-Dinitrophenol	<4100		4100	3500	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2,4-Dinitrotoluene	<1000	*	1000	320	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2,6-Dinitrotoluene	<1000	*	1000	390	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2-Chloronaphthalene	<1000	*	1000	220	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2-Chlorophenol	<1000		1000	340	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2-Methylnaphthalene	<200		200	37	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2-Methylphenol	<1000		1000	320	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2-Nitroaniline	<1000	*	1000	270	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
2-Nitrophenol	<2000		2000	470	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
3 & 4 Methylphenol	<1000		1000	330	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
3,3'-Dichlorobenzidine	<1000		1000	280	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
3-Nitroaniline	<2000	*	2000	620	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
4,6-Dinitro-2-methylphenol	<2000		2000	1600	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
4-Bromophenyl phenyl ether	<1000		1000	260	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
4-Chloro-3-methylphenol	<2000		2000	680	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
4-Chloroaniline	<4100		4100	940	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
4-Chlorophenyl phenyl ether	<1000		1000	230	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
4-Nitroaniline	<2000	*	2000	840	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
4-Nitrophenol	<4100		4100	1900	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Acenaphthene	<200		200	36	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Acenaphthylene	<200	*	200	26	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Anthracene	<200		200	34	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Benzo[a]anthracene	<200	*	200	27	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Benzo[a]pyrene	<200		200	39	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Benzo[b]fluoranthene	<200		200	43	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Benzo[g,h,i]perylene	<200		200	65	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Benzo[k]fluoranthene	<200		200	59	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Bis(2-chloroethoxy)methane	<1000		1000	200	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Bis(2-chloroethyl)ether	<1000		1000	300	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Bis(2-ethylhexyl) phthalate	<1000		1000	370	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Butyl benzyl phthalate	<1000		1000	380	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Carbazole	<1000		1000	520	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Chrysene	<200	*	200	55	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Dibenz(a,h)anthracene	<200		200	39	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Dibenzofuran	<1000	*	1000	240	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Diethyl phthalate	<1000		1000	340	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Dimethyl phthalate	<1000	*	1000	260	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Di-n-butyl phthalate	<1000		1000	310	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Di-n-octyl phthalate	<1000		1000	330	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Fluoranthene	<200		200	37	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Fluorene	<200		200	28	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Hexachlorobenzene	<410		410	47	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Hexachlorobutadiene	<1000		1000	320	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Hexachlorocyclopentadiene	<4100		4100	1200	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Hexachloroethane	<1000		1000	310	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: FL-3(0-5)-040915
Date Collected: 04/09/15 09:10
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-8
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	<200		200	52	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Isophorone	<1000		1000	230	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Naphthalene	<200		200	31	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Nitrobenzene	<200		200	50	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
N-Nitrosodi-n-propylamine	<1000	*	1000	250	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
N-Nitrosodiphenylamine	<1000		1000	240	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Pentachlorophenol	<4100		4100	3200	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Phenanthrene	<200		200	28	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Phenol	<1000	*	1000	450	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5
Pyrene	<200		200	40	ug/Kg	☼	04/20/15 08:16	04/20/15 15:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*13*	*X*	*35 - 137*	*04/20/15 08:16*	*04/20/15 15:01*	*5*
2-Fluorobiphenyl	*40*		*25 - 119*	*04/20/15 08:16*	*04/20/15 15:01*	*5*
2-Fluorophenol	*39*		*25 - 110*	*04/20/15 08:16*	*04/20/15 15:01*	*5*
Nitrobenzene-d5	*35*		*25 - 115*	*04/20/15 08:16*	*04/20/15 15:01*	*5*
Phenol-d5	*44*		*31 - 110*	*04/20/15 08:16*	*04/20/15 15:01*	*5*
Terphenyl-d14	*68*		*36 - 134*	*04/20/15 08:16*	*04/20/15 15:01*	*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		04/16/15 08:30	04/16/15 20:34	1
Barium	**0.50**		0.50	0.050	mg/L		04/16/15 08:30	04/16/15 20:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 20:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 20:34	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:34	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:34	1
Copper	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:34	1
Iron	<0.20		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 20:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 20:34	1
Manganese	**3.8**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:34	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:34	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 20:34	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:34	1
Zinc	**0.17**		0.10	0.020	mg/L		04/16/15 08:30	04/16/15 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.035**	**J**	0.050	0.010	mg/L		04/16/15 10:30	04/16/15 17:55	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		04/16/15 10:30	04/16/15 17:55	1
Beryllium	**0.0064**		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 17:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 17:55	1
Chromium	**0.13**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:55	1
Cobalt	**0.041**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:55	1
Copper	**0.14**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:55	1
Iron	**110**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 17:55	1
Lead	**0.072**		0.038	0.038	mg/L		04/16/15 10:30	04/17/15 12:58	5
Manganese	**0.91**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:55	1
Nickel	**0.14**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:55	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 17:55	1

Client Sample ID: FL-3(0-5)-040915
Date Collected: 04/09/15 09:10
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-8
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		04/16/15 10:30	04/16/15 17:55	1
Zinc	**0.40**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 17:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.62**	**J**	1.2	0.25	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Arsenic	**10**		0.61	0.28	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Barium	**77**		0.61	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Beryllium	**0.92**		0.25	0.053	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Cadmium	**0.22**		0.12	0.036	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Calcium	**2800**		12	4.0	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Chromium	**24**		0.61	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Cobalt	**12**		0.31	0.069	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Copper	**40**		0.61	0.13	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Iron	**27000**		12	4.7	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Lead	**16**		0.31	0.15	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Magnesium	**5900**		6.1	2.5	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Manganese	**340**		0.61	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Nickel	**32**		0.61	0.17	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Potassium	**2600**		31	5.0	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Selenium	<0.61		0.61	0.30	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Silver	<0.31		0.31	0.072	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Sodium	**1500**		61	8.1	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Thallium	**0.48**	**J**	0.61	0.30	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Vanadium	**28**		0.31	0.090	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	1
Zinc	**58**	**B**	1.2	0.39	mg/Kg	☼	04/12/15 18:16	04/13/15 14:57	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		04/16/15 12:00	04/17/15 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		04/16/15 12:00	04/17/15 12:15	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	**30**		20	7.0	ug/Kg	☼	04/13/15 14:30	04/14/15 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.95**		0.200	0.200	SU			04/15/15 13:34	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94425 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 320 Plaza Circle Ste 202
Address: Munderlein, IL 60060
Phone: 224-858-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
1		WG-2(0-3)-040915	4-9-15	0750	2	S	X	X	X	X	X	
2		RS-1(0-2)-040915		0805								
3		RS-2(0-2)-040915		0815								
4		R4-1(0-4)-040915		0830								
5		AL-11(0-6.5)-040915		0840								
6		TOW-1(0-5)-040915		0855								
7		FL-4(0-5)-040915		0900								
8		FL-3(0-5)-040915		0910								
9		FL-2(0-5)-040915		0925								
10		FL-2(0-5)-040915D	4-9-15	0925	2	S	X	X	X	X	X	

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 [X] 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
[signature]	Weston	4-9-15	1155	[signature]	TA	4/9/15	1155
[signature]	TA	4/9/15	1230	[signature]	TA-CHI	4/9/15	1230

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Kirkham Circle Ste 202
Address: Mundelein IL 60060
Phone: 224-874-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: FDOT-019
Project Location/State: Wash Lonox / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH	Comments
11		FL-1(0-5)-040915	4-9-15	0940	2	S		X	X	X	X	X	
12		AL-5(0-4)-040915	↓	0945	↓	↓		↓	↓	↓	↓	↓	
13		AL-3(0-6.5)-040915	↓	1000	↓	↓		↓	↓	↓	↓	↓	
14		AL-1(0-4)-040915	4-9-15	1015	2	S		X	X	X	X	X	

T. Walls 4-9-15

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 [X] 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
Timothy A. Walls	Weston	4-9-15	1155		TA	4/9/15	1155
	TA	4/9/15	1230		TA-CHI	4/9/15	1230

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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

18636 S. Parker Road (ISGS Site No. 2177V-3)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.549681930 (Decimal Degrees) Longitude: -87.942887671 (-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: FAU 297: US 6 at Parker Road

Latitude: 41.549681930 Longitude: -87.942887671

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 TOW-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2177V-3. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94425-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or Licensed Professional Geologist Signature:

29 JUNE 2015
Date:

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

Summary Table of ISGS Site No. 2177V-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	TOW-1(0-5)-040915	**Soil Reference Concentrations[A]**
Sample Date	4/9/2015	
Location ID	TOW-1	
Depth	0 - 5	
Lab Sample ID	500-94425-6	
ISGS Site No.	2177V-3	
Parameter		
Laboratory pH (s.u.)	7.24	<6.25,>9.0
VOCs (ug/kg)		
Methyl ethyl ketone	11	---
SVOCs	**No Detections**	
Total Metals (mg/kg)		
Antimony, Total	0.49 J	5
Arsenic, Total	7.4 J-	11.3 / 13.0
Barium, Total	96	1500
Beryllium, Total	0.66	22
Cadmium, Total	0.21	5.2
Calcium, Total	7000 J+	---
Chromium, Total	16 J+	21
Cobalt, Total	11	20
Copper, Total	15 J-	2900
Iron, Total	18000 J	15000 / 15900
Lead, Total	19 J	107
Magnesium, Total	5700 J	325000
Manganese, Total	570 J	630 / 636
Mercury, Total	0.035	0.89
Nickel, Total	16 J-	100
Potassium, Total	1700 J+	---
Sodium, Total	2300	---
Thallium, Total	0.78	2.6
Vanadium, Total	27 J+	550
Zinc, Total	46 B	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.53	2
Cobalt, TCLP	0.064	1
Iron, TCLP	0.98	5
Lead, TCLP	0.0081	0.0075
Manganese, TCLP	15	0.15
Nickel, TCLP	0.026	0.1
Zinc, TCLP	0.12	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.016 J	0.05
Barium, SPLP	0.55	2
Chromium, SPLP	0.092	0.1
Cobalt, SPLP	0.035	1
Copper, SPLP	0.083	0.65
Iron, SPLP	77 J-	5
Lead, SPLP	0.069	0.0075
Manganese, SPLP	1.2	0.15
Nickel, SPLP	0.074	0.1
Zinc, SPLP	0.34 B	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.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94425-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/20/2015 5:19:56 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: TOW-1(0-5)-040915
Date Collected: 04/09/15 08:55
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-6
Matrix: Solid
Percent Solids: 81.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.7	ug/Kg	☼		04/13/15 16:45	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		04/13/15 16:45	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/13/15 16:45	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/13/15 16:45	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	☼		04/13/15 16:45	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	☼		04/13/15 16:45	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/13/15 16:45	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/13/15 16:45	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/13/15 16:45	1
Chloroform	<6.1		6.1	0.71	ug/Kg	☼		04/13/15 16:45	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/13/15 16:45	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		04/13/15 16:45	1
cis-1,3-Dichloropropene	<6.1		6.1	0.81	ug/Kg	☼		04/13/15 16:45	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/13/15 16:45	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		04/13/15 16:45	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/13/15 16:45	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		04/13/15 16:45	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		04/13/15 16:45	1
1,3-Dichloropropene, Total	<6.1		6.1	0.81	ug/Kg	☼		04/13/15 16:45	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/13/15 16:45	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/13/15 16:45	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		04/13/15 16:45	1
Methyl Ethyl Ketone	**11**		6.1	2.2	ug/Kg	☼		04/13/15 16:45	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/13/15 16:45	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/13/15 16:45	1
Styrene	<6.1		6.1	0.81	ug/Kg	☼		04/13/15 16:45	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/13/15 16:45	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		04/13/15 16:45	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		04/13/15 16:45	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/13/15 16:45	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/13/15 16:45	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	☼		04/13/15 16:45	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	☼		04/13/15 16:45	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/13/15 16:45	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/13/15 16:45	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/13/15 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*04/13/15 16:45*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*04/13/15 16:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/13/15 16:45*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/13/15 16:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: TOW-1(0-5)-040915
Date Collected: 04/09/15 08:55
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-6
Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	91	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
4,6-Dinitro-2-methylphenol	<390	*	390	320	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Carbazole	<200		200	100	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Chrysene	<39		39	11	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Fluoranthene	<39		39	7.4	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: TOW-1(0-5)-040915
Date Collected: 04/09/15 08:55
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-6
Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Isophorone	<200		200	45	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Phenol	<200		200	88	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1
Pyrene	<39		39	7.9	ug/Kg	☼	04/14/15 17:51	04/20/15 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*50*		*35 - 137*	*04/14/15 17:51*	*04/20/15 11:32*	*1*
2-Fluorobiphenyl	*39*		*25 - 119*	*04/14/15 17:51*	*04/20/15 11:32*	*1*
2-Fluorophenol	*34*		*25 - 110*	*04/14/15 17:51*	*04/20/15 11:32*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*04/14/15 17:51*	*04/20/15 11:32*	*1*
Phenol-d5	*38*		*31 - 110*	*04/14/15 17:51*	*04/20/15 11:32*	*1*
Terphenyl-d14	*61*		*36 - 134*	*04/14/15 17:51*	*04/20/15 11:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/16/15 08:30	04/16/15 20:24	1
Barium	**0.53**		0.50	0.050	mg/L		04/16/15 08:30	04/16/15 20:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 20:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 20:24	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:24	1
Cobalt	**0.064**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:24	1
Copper	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:24	1
Iron	**0.98**		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 20:24	1
Lead	**0.0081**		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 20:24	1
Manganese	**15**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:24	1
Nickel	**0.026**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:24	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 20:24	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:24	1
Zinc	**0.12**		0.10	0.020	mg/L		04/16/15 08:30	04/16/15 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**	**J**	0.050	0.010	mg/L		04/16/15 10:30	04/16/15 17:47	1
Barium	**0.55**		0.50	0.050	mg/L		04/16/15 10:30	04/16/15 17:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 17:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 17:47	1
Chromium	**0.092**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:47	1
Cobalt	**0.035**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:47	1
Copper	**0.083**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:47	1
Iron	**77**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 17:47	1
Lead	**0.069**		0.038	0.038	mg/L		04/16/15 10:30	04/17/15 12:54	5
Manganese	**1.2**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:47	1
Nickel	**0.074**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:47	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 17:47	1

Client Sample ID: TOW-1(0-5)-040915
Date Collected: 04/09/15 08:55
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-6
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		04/16/15 10:30	04/16/15 17:47	1
Zinc	**0.34**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 17:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.49**	**J**	1.2	0.24	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Arsenic	**7.4**		0.58	0.27	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Barium	**96**		0.58	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Beryllium	**0.66**		0.23	0.050	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Cadmium	**0.21**		0.12	0.033	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Calcium	**7000**		12	3.7	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Chromium	**16**		0.58	0.099	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Cobalt	**11**		0.29	0.065	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Copper	**15**		0.58	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Iron	**18000**		12	4.4	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Lead	**19**		0.29	0.14	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Magnesium	**5700**		5.8	2.3	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Manganese	**570**		0.58	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Nickel	**16**		0.58	0.16	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Potassium	**1700**		29	4.7	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Selenium	<0.58		0.58	0.28	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Sodium	**2300**		58	7.6	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Thallium	**0.78**		0.58	0.28	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Vanadium	**27**		0.29	0.084	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1
Zinc	**46**	**B**	1.2	0.36	mg/Kg	☼	04/12/15 18:16	04/13/15 14:45	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 12:07	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	**35**		18	6.4	ug/Kg	☼	04/13/15 14:30	04/14/15 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.24**		0.200	0.200	SU			04/15/15 13:30	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94425 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 320 Plaza Circle Ste 202
Address: Munderlein, IL 60060
Phone: 224-858-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
1		WG-2(0-3)-040915	4-9-15	0750	2	S	X	X	X	X	X	
2		RS-1(0-2)-040915		0805								
3		RS-2(0-2)-040915		0815								
4		R4-1(0-4)-040915		0830								
5		AL-11(0-6.5)-040915		0840								
6		TOW-1(0-5)-040915		0855								
7		FL-4(0-5)-040915		0900								
8		FL-3(0-5)-040915		0910								
9		FL-2(0-5)-040915		0925								
10		FL-2(0-5)-040915D	4-9-15	0925	2	S	X	X	X	X	X	

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 [X] 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
[signature]	Weston	4-9-15	1155	[signature]	TA	4/9/15	1155
[signature]	TA	4/9/15	1230	[signature]	TA-CHI	4/9/15	1230

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Kirkham Circle Ste 202
Address: Mundelein IL 60060
Phone: 224-874-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: FDOT-019
Project Location/State: Wash Lonox / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH	Comments
11		FL-1(0-5)-040915	4-9-15	0940	2	S		X	X	X	X	X	
12		AL-5(0-4)-040915	↓	0945	↓	↓		↓	↓	↓	↓	↓	
13		AL-3(0-6.5)-040915	↓	1000	↓	↓		↓	↓	↓	↓	↓	
14		AL-1(0-4)-040915	4-9-15	1015	2	S		X	X	X	X	X	

T. Walls 4-9-15

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 [X] 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
Timothy A. Walls	Weston	4-9-15	1155		TA	4/9/15	1155
	TA	4/9/15	1230		TA-CHI	4/9/15	1230

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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

18600 S. Parker Road (ISGS Site No. 2177V-4)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.550283470 (Decimal Degrees) Longitude: -87.942911744 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAU 297: US 6 at Parker Road

Latitude: 41.550283470 Longitude: -87.942911744

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 R4-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2177V-4. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94425-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

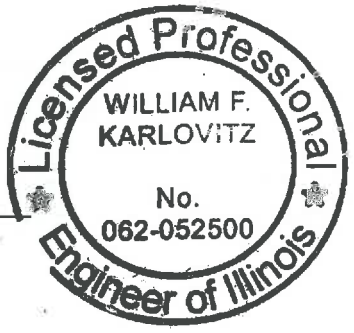
City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 JUNE 2015
Date:



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

Summary Table of ISGS Site No. 2177V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	R4-1(0-4)-040915	**Soil Reference Concentrations[A]**
Sample Date	4/9/2015	
Location ID	R4-1	
Depth	0 - 4	
Lab Sample ID	500-94425-4	
ISGS Site No.	2177V-4	
Parameter		
Laboratory pH (s.u.)	7.99	<6.25,>9.0
VOCs (ug/kg)		
Acetone	110	25000
Methyl ethyl ketone	21	---
SVOCs (ug/kg)		
2-Methylnaphthalene	28 J	---
Fluoranthene	26 J	3100000
Naphthalene, SVOC	18 J	1800
Phenanthrene	29 J	---
Pyrene	23 J	2300000
Total Metals (mg/kg)		
Antimony, Total	0.64 J	5
Arsenic, Total	8.5 J-	11.3 / 13.0
Barium, Total	110	1500
Beryllium, Total	0.87	22
Cadmium, Total	0.37	5.2
Calcium, Total	12000 J+	---
Chromium, Total	20 J+	21
Cobalt, Total	9.9	20
Copper, Total	22 J-	2900
Iron, Total	21000 J	15000 / 15900
Lead, Total	33 J	107
Magnesium, Total	8700 J	325000
Manganese, Total	420 J	630 / 636
Mercury, Total	0.054	0.89
Nickel, Total	21 J-	100
Potassium, Total	2400 J+	---
Sodium, Total	1900	---
Thallium, Total	0.42 J	2.6
Vanadium, Total	31 J+	550
Zinc, Total	77 B	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	0.017 J	0.05
Barium, TCLP	0.64	2
Cobalt, TCLP	0.03	1
Copper, TCLP	0.012 J	0.65
Iron, TCLP	0.33	5
Lead, TCLP	0.015	0.0075
Manganese, TCLP	10	0.15
Nickel, TCLP	0.023 J	0.1
Zinc, TCLP	0.26	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.041 J	0.05
Barium, SPLP	0.57	2
Beryllium, SPLP	0.0049	0.004
Chromium, SPLP	0.1	0.1
Cobalt, SPLP	0.031	1
Copper, SPLP	0.12	0.65
Iron, SPLP	98 J-	5
Lead, SPLP	0.15	0.0075
Manganese, SPLP	1.3	0.15
Nickel, SPLP	0.09	0.1
Zinc, SPLP	0.44 B	5

Summary Table of ISGS Site No. 2177V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Notes:

--- - not applicable or value not available.

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

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94425-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/20/2015 5:19:56 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: R4-1(0-4)-040915
Date Collected: 04/09/15 08:30
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-4
Matrix: Solid
Percent Solids: 77.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**110**		6.5	2.8	ug/Kg	☼		04/13/15 15:54	1
Benzene	<6.5		6.5	0.89	ug/Kg	☼		04/13/15 15:54	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		04/13/15 15:54	1
Bromoform	<6.5		6.5	1.5	ug/Kg	☼		04/13/15 15:54	1
Bromomethane	<6.5		6.5	2.0	ug/Kg	☼		04/13/15 15:54	1
Carbon disulfide	<6.5		6.5	0.97	ug/Kg	☼		04/13/15 15:54	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	☼		04/13/15 15:54	1
Chlorobenzene	<6.5		6.5	0.66	ug/Kg	☼		04/13/15 15:54	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	☼		04/13/15 15:54	1
Chloroform	<6.5		6.5	0.74	ug/Kg	☼		04/13/15 15:54	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	☼		04/13/15 15:54	1
cis-1,2-Dichloroethene	<6.5		6.5	0.92	ug/Kg	☼		04/13/15 15:54	1
cis-1,3-Dichloropropene	<6.5		6.5	0.85	ug/Kg	☼		04/13/15 15:54	1
Dibromochloromethane	<6.5		6.5	1.1	ug/Kg	☼		04/13/15 15:54	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	☼		04/13/15 15:54	1
1,2-Dichloroethane	<6.5		6.5	0.96	ug/Kg	☼		04/13/15 15:54	1
1,1-Dichloroethene	<6.5		6.5	1.0	ug/Kg	☼		04/13/15 15:54	1
1,2-Dichloropropane	<6.5		6.5	0.98	ug/Kg	☼		04/13/15 15:54	1
1,3-Dichloropropene, Total	<6.5		6.5	0.85	ug/Kg	☼		04/13/15 15:54	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	☼		04/13/15 15:54	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	☼		04/13/15 15:54	1
Methylene Chloride	<6.5		6.5	1.7	ug/Kg	☼		04/13/15 15:54	1
Methyl Ethyl Ketone	**21**		6.5	2.3	ug/Kg	☼		04/13/15 15:54	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	☼		04/13/15 15:54	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	☼		04/13/15 15:54	1
Styrene	<6.5		6.5	0.85	ug/Kg	☼		04/13/15 15:54	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	☼		04/13/15 15:54	1
Tetrachloroethene	<6.5		6.5	0.99	ug/Kg	☼		04/13/15 15:54	1
Toluene	<6.5		6.5	0.91	ug/Kg	☼		04/13/15 15:54	1
trans-1,2-Dichloroethene	<6.5		6.5	0.89	ug/Kg	☼		04/13/15 15:54	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	☼		04/13/15 15:54	1
1,1,1-Trichloroethane	<6.5		6.5	0.97	ug/Kg	☼		04/13/15 15:54	1
1,1,2-Trichloroethane	<6.5		6.5	0.88	ug/Kg	☼		04/13/15 15:54	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	☼		04/13/15 15:54	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	☼		04/13/15 15:54	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		04/13/15 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*04/13/15 15:54*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/13/15 15:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*04/13/15 15:54*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/13/15 15:54*	*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	☼	04/14/15 17:51	04/20/15 10:51	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: R4-1(0-4)-040915
Date Collected: 04/09/15 08:30
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-4
Matrix: Solid
Percent Solids: 77.2

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	☼	04/14/15 17:51	04/20/15 10:51	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2-Methylnaphthalene	**28**	**J**	41	7.6	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2-Methylphenol	<210		210	66	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
4,6-Dinitro-2-methylphenol	<410	*	410	330	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Anthracene	<41		41	6.9	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Benzo[a]anthracene	<41		41	5.6	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Benzo[a]pyrene	<41		41	8.0	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Benzo[b]fluoranthene	<41		41	8.9	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Carbazole	<210		210	110	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Chrysene	<41		41	11	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Dibenzofuran	<210		210	48	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Fluoranthene	**26**	**J**	41	7.7	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Fluorene	<41		41	5.8	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Hexachloroethane	<210		210	63	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: R4-1(0-4)-040915
Date Collected: 04/09/15 08:30
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-4
Matrix: Solid
Percent Solids: 77.2

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	<41		41	11	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Isophorone	<210		210	46	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Naphthalene	**18**	**J**	41	6.4	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Nitrobenzene	<41		41	10	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Phenanthrene	**29**	**J**	41	5.8	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Phenol	<210		210	92	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1
Pyrene	**23**	**J**	41	8.2	ug/Kg	☼	04/14/15 17:51	04/20/15 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 137*	*04/14/15 17:51*	*04/20/15 10:51*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*04/14/15 17:51*	*04/20/15 10:51*	*1*
2-Fluorophenol	*45*		*25 - 110*	*04/14/15 17:51*	*04/20/15 10:51*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*04/14/15 17:51*	*04/20/15 10:51*	*1*
Phenol-d5	*51*		*31 - 110*	*04/14/15 17:51*	*04/20/15 10:51*	*1*
Terphenyl-d14	*80*		*36 - 134*	*04/14/15 17:51*	*04/20/15 10:51*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.017**	**J**	0.050	0.010	mg/L		04/16/15 08:30	04/16/15 20:14	1
Barium	**0.64**		0.50	0.050	mg/L		04/16/15 08:30	04/16/15 20:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 20:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 20:14	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:14	1
Cobalt	**0.030**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:14	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:14	1
Iron	**0.33**		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 20:14	1
Lead	**0.015**		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 20:14	1
Manganese	**10**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:14	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:14	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 20:14	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:14	1
Zinc	**0.26**		0.10	0.020	mg/L		04/16/15 08:30	04/16/15 20:14	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		04/16/15 10:30	04/16/15 17:38	1
Barium	**0.57**		0.50	0.050	mg/L		04/16/15 10:30	04/16/15 17:38	1
Beryllium	**0.0049**		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 17:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 17:38	1
Chromium	**0.10**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:38	1
Cobalt	**0.031**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:38	1
Copper	**0.12**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:38	1
Iron	**98**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 17:38	1
Lead	**0.15**		0.038	0.038	mg/L		04/16/15 10:30	04/17/15 12:46	5
Manganese	**1.3**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:38	1
Nickel	**0.090**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:38	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 17:38	1

Client Sample ID: R4-1(0-4)-040915
Date Collected: 04/09/15 08:30
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-4
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		04/16/15 10:30	04/16/15 17:38	1
Zinc	**0.44**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 17:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.64**	**J**	1.3	0.26	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Arsenic	**8.5**		0.64	0.29	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Barium	**110**		0.64	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Beryllium	**0.87**		0.26	0.055	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Cadmium	**0.37**		0.13	0.037	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Calcium	**12000**		13	4.1	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Chromium	**20**		0.64	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Cobalt	**9.9**		0.32	0.072	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Copper	**22**		0.64	0.14	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Iron	**21000**		13	4.9	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Lead	**33**		0.32	0.16	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Magnesium	**8700**		6.4	2.6	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Manganese	**420**		0.64	0.13	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Nickel	**21**		0.64	0.17	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Potassium	**2400**		32	5.2	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Selenium	<0.64		0.64	0.32	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Silver	<0.32		0.32	0.075	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Sodium	**1900**		64	8.4	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Thallium	**0.42**	**J**	0.64	0.31	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Vanadium	**31**		0.32	0.093	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	1
Zinc	**77**	**B**	1.3	0.40	mg/Kg	☼	04/12/15 18:16	04/13/15 14:22	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		04/16/15 12:00	04/17/15 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 12:03	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	**54**		20	6.8	ug/Kg	☼	04/13/15 14:30	04/14/15 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.99**		0.200	0.200	SU			04/15/15 13:25	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94425 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 320 Plaza Circle Ste 202
Address: Munderlein, IL 60060
Phone: 224-858-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
1		WG-2(0-3)-040915	4-9-15	0750	2	S	X	X	X	X	X	
2		RS-1(0-2)-040915		0805								
3		RS-2(0-2)-040915		0815								
4		R4-1(0-4)-040915		0830								
5		AL-11(0-6.5)-040915		0840								
6		TOW-1(0-5)-040915		0855								
7		FL-4(0-5)-040915		0900								
8		FL-3(0-5)-040915		0910								
9		FL-2(0-5)-040915		0925								
10		FL-2(0-5)-040915D	4-9-15	0925	2	S	X	X	X	X	X	

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 [X] 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
[signature]	Weston	4-9-15	1155	[signature]	TA	4/9/15	1155
[signature]	TA	4/9/15	1230	[signature]	TA-CHI	4/9/15	1230

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Kirkham Circle Ste 202
Address: Mundelein IL 60060
Phone: 224-874-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: FDOT-019
Project Location/State: Wash Lonox / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH	Comments
11		FL-1(0-5)-040915	4-9-15	0940	2	S		X	X	X	X	X	
12		AL-5(0-4)-040915	↓	0945	↓	↓		↓	↓	↓	↓	↓	
13		AL-3(0-6.5)-040915	↓	1000	↓	↓		↓	↓	↓	↓	↓	
14		AL-1(0-4)-040915	4-9-15	1015	2	S		X	X	X	X	X	

T. Walls 4-9-15

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 [X] 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
Timothy A. Walls	Weston	4-9-15	1155		TA	4/9/15	1155
	TA	4/9/15	1230		TA-CHI	4/9/15	1230

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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

18555-18635 S. Parker Road (ISGS Site No. 2177V-5)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.550259994 (Decimal Degrees) Longitude: -87.942826864 (-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: FAU 297: US 6 at Parker Road

Latitude: 41.550259994 Longitude: -87.942826864

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 R5-2 WAS SAMPLED ADJACENT TO ISGS SITE No. 2177V-5. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94425-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or Licensed Professional Geologist Signature:

29 JUNE 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2177V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	R5-2(0-2)-040915	**Soil Reference Concentrations[A]**
Sample Date	4/9/2015	
Location ID	R5-2	
Depth	0 - 2	
Lab Sample ID	500-94425-3	
ISGS Site No.	2177V-5	
Parameter		
Laboratory pH (s.u.)	8.56	<6.25,>9.0
VOCs	**No Detections**	
SVOCs (ug/kg)		
Fluoranthene	11 J	3100000
Pyrene	11 J	2300000
Total Metals (mg/kg)		
Antimony, Total	0.48 J	5
Arsenic, Total	7.1 J-	11.3 / 13.0
Barium, Total	83	1500
Beryllium, Total	0.84	22
Cadmium, Total	0.4	5.2
Calcium, Total	36000 J+	---
Chromium, Total	16 J+	21
Cobalt, Total	7.4	20
Copper, Total	19 J-	2900
Iron, Total	17000 J	15000 / 15900
Lead, Total	36 J	107
Magnesium, Total	23000 J	325000
Manganese, Total	550 J	630 / 636
Mercury, Total	0.039	0.89
Nickel, Total	16 J-	100
Potassium, Total	2600 J+	---
Sodium, Total	2400	---
Thallium, Total	0.66	2.6
Vanadium, Total	25 J+	550
Zinc, Total	63 B	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.39 J	2
Manganese, TCLP	0.81	0.15
Zinc, TCLP	0.1	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.033 J	0.05
Barium, SPLP	0.48 J	2
Beryllium, SPLP	0.0053	0.004
Chromium, SPLP	0.11	0.1
Cobalt, SPLP	0.024 J	1
Copper, SPLP	0.1	0.65
Iron, SPLP	110 J-	5
Lead, SPLP	0.11	0.0075
Manganese, SPLP	0.74	0.15
Nickel, SPLP	0.099	0.1
Zinc, SPLP	0.68 B	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.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94425-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/20/2015 5:19:56 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: R5-2(0-2)-040915
Date Collected: 04/09/15 08:15
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-3
Matrix: Solid
Percent Solids: 78.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		04/13/15 15:29	1
Benzene	<6.3		6.3	0.87	ug/Kg	☼		04/13/15 15:29	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/13/15 15:29	1
Bromoform	<6.3		6.3	1.5	ug/Kg	☼		04/13/15 15:29	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		04/13/15 15:29	1
Carbon disulfide	<6.3		6.3	0.95	ug/Kg	☼		04/13/15 15:29	1
Carbon tetrachloride	<6.3		6.3	1.2	ug/Kg	☼		04/13/15 15:29	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		04/13/15 15:29	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		04/13/15 15:29	1
Chloroform	<6.3		6.3	0.73	ug/Kg	☼		04/13/15 15:29	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		04/13/15 15:29	1
cis-1,2-Dichloroethene	<6.3		6.3	0.90	ug/Kg	☼		04/13/15 15:29	1
cis-1,3-Dichloropropene	<6.3		6.3	0.83	ug/Kg	☼		04/13/15 15:29	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/13/15 15:29	1
1,1-Dichloroethane	<6.3		6.3	1.0	ug/Kg	☼		04/13/15 15:29	1
1,2-Dichloroethane	<6.3		6.3	0.94	ug/Kg	☼		04/13/15 15:29	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/13/15 15:29	1
1,2-Dichloropropane	<6.3		6.3	0.96	ug/Kg	☼		04/13/15 15:29	1
1,3-Dichloropropene, Total	<6.3		6.3	0.83	ug/Kg	☼		04/13/15 15:29	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		04/13/15 15:29	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		04/13/15 15:29	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		04/13/15 15:29	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		04/13/15 15:29	1
methyl isobutyl ketone	<6.3		6.3	1.7	ug/Kg	☼		04/13/15 15:29	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		04/13/15 15:29	1
Styrene	<6.3		6.3	0.83	ug/Kg	☼		04/13/15 15:29	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		04/13/15 15:29	1
Tetrachloroethene	<6.3		6.3	0.97	ug/Kg	☼		04/13/15 15:29	1
Toluene	<6.3		6.3	0.89	ug/Kg	☼		04/13/15 15:29	1
trans-1,2-Dichloroethene	<6.3		6.3	0.87	ug/Kg	☼		04/13/15 15:29	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		04/13/15 15:29	1
1,1,1-Trichloroethane	<6.3		6.3	0.95	ug/Kg	☼		04/13/15 15:29	1
1,1,2-Trichloroethane	<6.3		6.3	0.87	ug/Kg	☼		04/13/15 15:29	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/13/15 15:29	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		04/13/15 15:29	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		04/13/15 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*04/13/15 15:29*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/13/15 15:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/13/15 15:29*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/13/15 15:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: R5-2(0-2)-040915
Date Collected: 04/09/15 08:15
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-3
Matrix: Solid
Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2,4-Dichlorophenol	<400		400	97	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2,4-Dinitrotoluene	<200	*	200	65	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2,6-Dinitrotoluene	<200	*	200	80	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2-Chloronaphthalene	<200	*	200	45	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2-Chlorophenol	<200		200	70	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2-Methylnaphthalene	<40		40	7.5	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2-Methylphenol	<200		200	65	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2-Nitroaniline	<200	*	200	55	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
3-Nitroaniline	<400	*	400	130	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
4,6-Dinitro-2-methylphenol	<400		400	330	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
4-Chlorophenyl phenyl ether	<200		200	48	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
4-Nitroaniline	<400	*	400	170	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Acenaphthylene	<40	*	40	5.4	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Anthracene	<40		40	6.8	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Benzo[a]anthracene	<40	*	40	5.5	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Benzo[a]pyrene	<40		40	7.9	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Benzo[b]fluoranthene	<40		40	8.8	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Bis(2-chloroethoxy)methane	<200		200	42	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Butyl benzyl phthalate	<200		200	78	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Carbazole	<200		200	110	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Chrysene	<40	*	40	11	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Dibenz(a,h)anthracene	<40		40	7.9	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Dibenzofuran	<200	*	200	48	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Dimethyl phthalate	<200	*	200	53	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Fluoranthene	**11**	**J**	40	7.6	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Fluorene	<40		40	5.7	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Hexachloroethane	<200		200	62	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: R5-2(0-2)-040915
Date Collected: 04/09/15 08:15
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-3
Matrix: Solid
Percent Solids: 78.8

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	<40		40	11	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Isophorone	<200		200	46	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Naphthalene	<40		40	6.3	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
N-Nitrosodi-n-propylamine	<200	*	200	50	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Phenanthrene	<40		40	5.7	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Phenol	<200	*	200	91	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1
Pyrene	**11**	**J**	40	8.1	ug/Kg	☼	04/20/15 08:16	04/20/15 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 137*	*04/20/15 08:16*	*04/20/15 14:22*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*04/20/15 08:16*	*04/20/15 14:22*	*1*
2-Fluorophenol	*49*		*25 - 110*	*04/20/15 08:16*	*04/20/15 14:22*	*1*
Nitrobenzene-d5	*32*		*25 - 115*	*04/20/15 08:16*	*04/20/15 14:22*	*1*
Phenol-d5	*54*		*31 - 110*	*04/20/15 08:16*	*04/20/15 14:22*	*1*
Terphenyl-d14	*79*		*36 - 134*	*04/20/15 08:16*	*04/20/15 14:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/16/15 08:30	04/16/15 20:09	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		04/16/15 08:30	04/16/15 20:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 20:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 20:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:09	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:09	1
Copper	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:09	1
Iron	<0.20		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 20:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 20:09	1
Manganese	**0.81**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:09	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 20:09	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 20:09	1
Zinc	**0.10**		0.10	0.020	mg/L		04/16/15 08:30	04/16/15 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.033**	**J**	0.050	0.010	mg/L		04/16/15 10:30	04/16/15 17:34	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		04/16/15 10:30	04/16/15 17:34	1
Beryllium	**0.0053**		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 17:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 17:34	1
Chromium	**0.11**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:34	1
Cobalt	**0.024**	**J**	0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:34	1
Copper	**0.10**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:34	1
Iron	**110**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 17:34	1
Lead	**0.11**		0.038	0.038	mg/L		04/16/15 10:30	04/17/15 12:42	5
Manganese	**0.74**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:34	1
Nickel	**0.099**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:34	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 17:34	1

Client Sample ID: R5-2(0-2)-040915
Date Collected: 04/09/15 08:15
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-3
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		04/16/15 10:30	04/16/15 17:34	1
Zinc	**0.68**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 17:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.48**	**J**	1.2	0.24	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Arsenic	**7.1**		0.58	0.27	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Barium	**83**		0.58	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Beryllium	**0.84**		0.23	0.050	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Cadmium	**0.40**		0.12	0.034	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Calcium	**36000**		12	3.7	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Chromium	**16**		0.58	0.10	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Cobalt	**7.4**		0.29	0.066	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Copper	**19**		0.58	0.13	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Iron	**17000**		12	4.5	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Lead	**36**		0.29	0.14	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Magnesium	**23000**		5.8	2.4	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Manganese	**550**		0.58	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Nickel	**16**		0.58	0.16	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Potassium	**2600**		29	4.7	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Sodium	**2400**		58	7.7	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Thallium	**0.66**		0.58	0.29	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Vanadium	**25**		0.29	0.085	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	1
Zinc	**63**	**B**	1.2	0.37	mg/Kg	☼	04/12/15 18:16	04/13/15 14:01	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		04/16/15 12:00	04/17/15 11:00	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		04/16/15 12:00	04/17/15 12:01	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	7.0	ug/Kg	☼	04/13/15 14:30	04/14/15 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.56**		0.200	0.200	SU			04/15/15 13:23	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94425 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 320 Plaza Circle Ste 202
Address: Munderlein, IL 60060
Phone: 224-858-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
1		WG-2(0-3)-040915	4-9-15	0750	2	S	X	X	X	X	X	
2		RS-1(0-2)-040915		0805								
3		RS-2(0-2)-040915		0815								
4		R4-1(0-4)-040915		0830								
5		AL-11(0-6.5)-040915		0840								
6		TOW-1(0-5)-040915		0855								
7		FL-4(0-5)-040915		0900								
8		FL-3(0-5)-040915		0910								
9		FL-2(0-5)-040915		0925								
10		FL-2(0-5)-040915D	4-9-15	0925	2	S	X	X	X	X	X	

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 [X] 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
[signature]	Weston	4-9-15	1155	[signature]	TA	4/9/15	1155
[signature]	TA	4/9/15	1230	[signature]	TA-CHI	4/9/15	1230

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Kirkham Circle Ste 202
Address: Mundelein IL 60060
Phone: 224-874-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: FDOT-019
Project Location/State: Wash Lonox / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH	Comments
11		FL-1(0-5)-040915	4-9-15	0940	2	S		X	X	X	X	X	
12		AL-5(0-4)-040915	↓	0945	↓	↓		↓	↓	↓	↓	↓	
13		AL-3(0-6.5)-040915	↓	1000	↓	↓		↓	↓	↓	↓	↓	
14		AL-1(0-4)-040915	4-9-15	1015	2	S		X	X	X	X	X	

T. Walls 4-9-15

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 [X] 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
Timothy A. Walls	Weston	4-9-15	1155		TA	4/9/15	1155
	TA	4/9/15	1230		TA-CHI	4/9/15	1230

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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

18600 Block of S. Parker Road (ISGS Site No. 2177V-6)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.549525371 (Decimal Degrees) Longitude: -87.942767225 (-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: FAU 297: US 6 at Parker Road

Latitude: 41.549525371 Longitude: -87.942767225

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 W6-2 WAS SAMPLED ADJACENT TO ISGS SITE No. 2177V-6. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94425-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

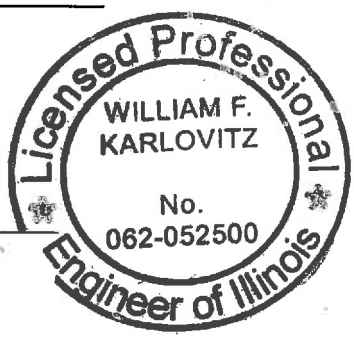
Phone: 224-864-7267

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

Licensed Professional Engineer or Licensed Professional Geologist Signature:

29 June 2015
Date:

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



Summary Table of ISGS Site No. 2177V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	W6-2(0-3)-040915	
Sample Date	4/9/2015	
Location ID	W6-2	
Depth	0 - 3	
Lab Sample ID	500-94425-1	**Soil Reference Concentrations[A]**
ISGS Site No.	2177V-6	
Parameter		
Laboratory pH (s.u.)	8.03	<6.25,>9.0
VOCs	**No Detections**	
SVOCs (ug/kg)		
Fluoranthene	9.7 J	3100000
Phenanthrene	15 J	---
Total Metals (mg/kg)		
Antimony, Total	0.7 J	5
Arsenic, Total	10 J-	11.3 / 13.0
Barium, Total	84	1500
Beryllium, Total	0.9	22
Cadmium, Total	0.12	5.2
Calcium, Total	1700 J+	---
Chromium, Total	25 J+	21
Cobalt, Total	10	20
Copper, Total	27 J-	2900
Iron, Total	28000 J	15000 / 15900
Lead, Total	15 J	107
Magnesium, Total	4800 J	325000
Manganese, Total	350 J	630 / 636
Mercury, Total	0.046	0.89
Nickel, Total	31 J-	100
Potassium, Total	2500 J+	---
Sodium, Total	1400	---
Thallium, Total	0.72	2.6
Vanadium, Total	31 J+	550
Zinc, Total	58 B	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	0.01 J	0.05
Barium, TCLP	0.24 J	2
Iron, TCLP	1.1	5
Manganese, TCLP	0.25	0.15
Zinc, TCLP	0.034 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.027 J	0.05
Barium, SPLP	0.42 J	2
Beryllium, SPLP	0.0045	0.004
Chromium, SPLP	0.098	0.1
Cobalt, SPLP	0.014 J	1
Copper, SPLP	0.099	0.65
Iron, SPLP	86 J-	5
Lead, SPLP	0.039	0.0075
Manganese, SPLP	0.28	0.15
Nickel, SPLP	0.093	0.1
Zinc, SPLP	0.49 B	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.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94425-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/20/2015 5:19:56 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: W6-2(0-3)-040915
Date Collected: 04/09/15 07:50
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-1
Matrix: Solid
Percent Solids: 78.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		04/13/15 14:39	1
Benzene	<6.3		6.3	0.87	ug/Kg	☼		04/13/15 14:39	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/13/15 14:39	1
Bromoform	<6.3		6.3	1.5	ug/Kg	☼		04/13/15 14:39	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		04/13/15 14:39	1
Carbon disulfide	<6.3		6.3	0.95	ug/Kg	☼		04/13/15 14:39	1
Carbon tetrachloride	<6.3		6.3	1.2	ug/Kg	☼		04/13/15 14:39	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		04/13/15 14:39	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		04/13/15 14:39	1
Chloroform	<6.3		6.3	0.73	ug/Kg	☼		04/13/15 14:39	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		04/13/15 14:39	1
cis-1,2-Dichloroethene	<6.3		6.3	0.90	ug/Kg	☼		04/13/15 14:39	1
cis-1,3-Dichloropropene	<6.3		6.3	0.83	ug/Kg	☼		04/13/15 14:39	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/13/15 14:39	1
1,1-Dichloroethane	<6.3		6.3	1.0	ug/Kg	☼		04/13/15 14:39	1
1,2-Dichloroethane	<6.3		6.3	0.94	ug/Kg	☼		04/13/15 14:39	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/13/15 14:39	1
1,2-Dichloropropane	<6.3		6.3	0.96	ug/Kg	☼		04/13/15 14:39	1
1,3-Dichloropropene, Total	<6.3		6.3	0.83	ug/Kg	☼		04/13/15 14:39	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		04/13/15 14:39	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		04/13/15 14:39	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		04/13/15 14:39	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		04/13/15 14:39	1
methyl isobutyl ketone	<6.3		6.3	1.7	ug/Kg	☼		04/13/15 14:39	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		04/13/15 14:39	1
Styrene	<6.3		6.3	0.83	ug/Kg	☼		04/13/15 14:39	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		04/13/15 14:39	1
Tetrachloroethene	<6.3		6.3	0.97	ug/Kg	☼		04/13/15 14:39	1
Toluene	<6.3		6.3	0.89	ug/Kg	☼		04/13/15 14:39	1
trans-1,2-Dichloroethene	<6.3		6.3	0.87	ug/Kg	☼		04/13/15 14:39	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		04/13/15 14:39	1
1,1,1-Trichloroethane	<6.3		6.3	0.95	ug/Kg	☼		04/13/15 14:39	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		04/13/15 14:39	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/13/15 14:39	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		04/13/15 14:39	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		04/13/15 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*04/13/15 14:39*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/13/15 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/13/15 14:39*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/13/15 14:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210	F1	210	44	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
1,2-Dichlorobenzene	<210	F1	210	49	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
1,3-Dichlorobenzene	<210	F1	210	46	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
1,4-Dichlorobenzene	<210	F1	210	53	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: W6-2(0-3)-040915
Date Collected: 04/09/15 07:50
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-1
Matrix: Solid
Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410	F1	410	94	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2,4,6-Trichlorophenol	<410	F1	410	140	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2,4-Dichlorophenol	<410	F1	410	98	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2,4-Dimethylphenol	<410	F1	410	160	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2,4-Dinitrophenol	<830	F1	830	730	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2,4-Dinitrotoluene	<210	F1	210	65	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2,6-Dinitrotoluene	<210	F1	210	81	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2-Chloronaphthalene	<210	F1	210	45	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2-Chlorophenol	<210	F1	210	70	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2-Methylnaphthalene	<41	F1	41	7.6	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2-Methylphenol	<210	F1	210	66	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2-Nitroaniline	<210	F1	210	55	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
2-Nitrophenol	<410	F1	410	97	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
3 & 4 Methylphenol	<210	F1	210	69	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
4,6-Dinitro-2-methylphenol	<410	F1 *	410	330	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
4-Bromophenyl phenyl ether	<210	F1	210	54	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
4-Chloro-3-methylphenol	<410	F1	410	140	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
4-Chlorophenyl phenyl ether	<210	F1	210	48	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
4-Nitroaniline	<410	F2	410	170	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Acenaphthene	<41	F1	41	7.4	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Acenaphthylene	<41	F1	41	5.4	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Anthracene	<41	F1	41	6.9	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Benzo[a]anthracene	<41	F1	41	5.5	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Benzo[a]pyrene	<41	F1	41	8.0	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Benzo[b]fluoranthene	<41	F1	41	8.9	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Benzo[g,h,i]perylene	<41	F1	41	13	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Bis(2-chloroethoxy)methane	<210	F1	210	42	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Bis(2-chloroethyl)ether	<210	F1	210	62	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Carbazole	<210	F1	210	110	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Chrysene	<41	F1	41	11	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Dibenzofuran	<210	F1	210	48	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Dimethyl phthalate	<210	F1	210	54	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Di-n-butyl phthalate	<210	F1	210	63	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Di-n-octyl phthalate	<210	F1 F2	210	67	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Fluoranthene	**9.7**	**J F1**	41	7.6	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Fluorene	<41	F1	41	5.8	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Hexachlorobenzene	<83	F1	83	9.5	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Hexachlorobutadiene	<210	F1	210	65	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Hexachlorocyclopentadiene	<830	F1	830	240	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Hexachloroethane	<210	F1	210	63	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

Client Sample ID: W6-2(0-3)-040915
Date Collected: 04/09/15 07:50
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-1
Matrix: Solid
Percent Solids: 78.9

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	<41		41	11	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Isophorone	<210	F1	210	46	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Naphthalene	<41	F1	41	6.3	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Nitrobenzene	<41	F1	41	10	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
N-Nitrosodi-n-propylamine	<210	F1	210	50	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Pentachlorophenol	<830	F1	830	660	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Phenanthrene	**15**	**J F1**	41	5.7	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Phenol	<210	F1	210	91	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1
Pyrene	<41	F1	41	8.2	ug/Kg	☼	04/14/15 17:51	04/16/15 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*44*		*35 - 137*	*04/14/15 17:51*	*04/16/15 17:33*	*1*
2-Fluorobiphenyl	*39*		*25 - 119*	*04/14/15 17:51*	*04/16/15 17:33*	*1*
2-Fluorophenol	*36*		*25 - 110*	*04/14/15 17:51*	*04/16/15 17:33*	*1*
Nitrobenzene-d5	*35*		*25 - 115*	*04/14/15 17:51*	*04/16/15 17:33*	*1*
Phenol-d5	*27*	*X*	*31 - 110*	*04/14/15 17:51*	*04/16/15 17:33*	*1*
Terphenyl-d14	*57*		*36 - 134*	*04/14/15 17:51*	*04/16/15 17:33*	*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		04/16/15 08:30	04/16/15 19:59	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		04/16/15 08:30	04/16/15 19:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/16/15 08:30	04/16/15 19:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 08:30	04/16/15 19:59	1
Chromium	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 19:59	1
Cobalt	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 19:59	1
Copper	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 19:59	1
Iron	**1.1**		0.20	0.20	mg/L		04/16/15 08:30	04/16/15 19:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/16/15 08:30	04/16/15 19:59	1
Manganese	**0.25**		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 19:59	1
Nickel	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 19:59	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 08:30	04/16/15 19:59	1
Silver	<0.025		0.025	0.010	mg/L		04/16/15 08:30	04/16/15 19:59	1
Zinc	**0.034**	**J**	0.10	0.020	mg/L		04/16/15 08:30	04/16/15 19:59	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		04/16/15 10:30	04/16/15 17:26	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		04/16/15 10:30	04/16/15 17:26	1
Beryllium	**0.0045**		0.0040	0.0040	mg/L		04/16/15 10:30	04/16/15 17:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/16/15 10:30	04/16/15 17:26	1
Chromium	**0.098**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:26	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:26	1
Copper	**0.099**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:26	1
Iron	**86**		0.20	0.20	mg/L		04/16/15 10:30	04/16/15 17:26	1
Lead	**0.039**		0.038	0.038	mg/L		04/16/15 10:30	04/17/15 12:34	5
Manganese	**0.28**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:26	1
Nickel	**0.093**		0.025	0.010	mg/L		04/16/15 10:30	04/16/15 17:26	1
Selenium	<0.050		0.050	0.020	mg/L		04/16/15 10:30	04/16/15 17:26	1

Client Sample ID: W6-2(0-3)-040915
Date Collected: 04/09/15 07:50
Date Received: 04/09/15 12:30

Lab Sample ID: 500-94425-1
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		04/16/15 10:30	04/16/15 17:26	1
Zinc	**0.49**	**B**	0.10	0.020	mg/L		04/16/15 10:30	04/16/15 17:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.70**	**J F1**	1.2	0.26	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Arsenic	**10**	**F1**	0.62	0.29	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Barium	**84**		0.62	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Beryllium	**0.90**		0.25	0.054	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Cadmium	**0.12**		0.12	0.036	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Calcium	**1700**	**F1**	12	4.0	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Chromium	**25**	**F1**	0.62	0.11	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Cobalt	**10**		0.31	0.070	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Copper	**27**	**F1**	0.62	0.13	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Iron	**28000**		12	4.8	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Lead	**15**	**F1 F2**	0.31	0.15	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Magnesium	**4800**		6.2	2.5	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Manganese	**350**	**F2**	0.62	0.12	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Nickel	**31**	**F1**	0.62	0.17	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Potassium	**2500**		31	5.1	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Selenium	<0.62	F1	0.62	0.31	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Silver	<0.31		0.31	0.072	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Sodium	**1400**		62	8.2	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Thallium	**0.72**		0.62	0.30	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Vanadium	**31**	**F1**	0.31	0.090	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1
Zinc	**58**	**B**	1.2	0.39	mg/Kg	☼	04/12/15 18:16	04/13/15 13:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/16/15 12:00	04/17/15 10:56	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		04/16/15 12:00	04/17/15 11:53	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	**46**		21	7.3	ug/Kg	☼	04/13/15 14:30	04/14/15 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.03**		0.200	0.200	SU			04/15/15 13:17	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94425-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94425 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 320 Plaza Circle Ste 202
Address: Munderlein, IL 60060
Phone: 224-858-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
1		WG-2(0-3)-040915	4-9-15	0750	2	S	X	X	X	X	X	
2		RS-1(0-2)-040915		0805								
3		RS-2(0-2)-040915		0815								
4		R4-1(0-4)-040915		0830								
5		AL-11(0-6.5)-040915		0840								
6		TOW-1(0-5)-040915		0855								
7		FL-4(0-5)-040915		0900								
8		FL-3(0-5)-040915		0910								
9		FL-2(0-5)-040915		0925								
10		FL-2(0-5)-040915D	4-9-15	0925	2	S	X	X	X	X	X	

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 [X] 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
[signature]	Weston	4-9-15	1155	[signature]	TA	4/9/15	1155
[signature]	TA	4/9/15	1230	[signature]	TA-CHI	4/9/15	1230

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Kirkham Circle Ste 202
Address: Mundelein IL 60060
Phone: 224-874-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94425
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: FDOT-019
Project Location/State: Wash Lonox / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH	Comments
11		FL-1(0-5)-040915	4-9-15	0940	2	S		X	X	X	X	X	
12		AL-5(0-4)-040915	↓	0945	↓	↓		↓	↓	↓	↓	↓	
13		AL-3(0-6.5)-040915	↓	1000	↓	↓		↓	↓	↓	↓	↓	
14		AL-1(0-4)-040915	4-9-15	1015	2	S		X	X	X	X	X	

T. Walls 4-9-15

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 [X] 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
Timothy A. Walls	Weston	4-9-15	1155		TA	4/9/15	1155
	TA	4/9/15	1230		TA-CHI	4/9/15	1230

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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

13100 Block of W. Maple Road (ISGS Site No. 2177V-7)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.548637001 (Decimal Degrees) Longitude: -87.942644435 (-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: FAU 297: US 6 at Parker Road

Latitude: 41.548637001 Longitude: -87.942644435

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 UR-1 THROUGH UR-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2177V-7. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94378-1 and 500-94379-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 June 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2177V-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	UR-1(0-5)-040815	UR-2(0-5)-040815	UR-3(0-5)-040815	UR-4(0-5)-040815	UR-5(0-2)-040815	UR-5(0-2)-040815D	**Soil Reference Concentrations[A]**
Sample Date	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	
Location ID	UR-1	UR-2	UR-3	UR-4	UR-5	UR-5	
Depth	0 - 5	0 - 5	0 - 5	0 - 5	0 - 2	0 - 2	
Lab Sample ID	500-94379-5	500-94378-13	500-94379-4	500-94378-14	500-94378-11	500-94378-12	
ISGS Site No.	2177V-7	2177V-7	2177V-7	2177V-7	2177V-7	2177V-7	
Parameter							
Laboratory pH (s.u.)	7.74	7.78	8.68	8.17	7.93	7.84	<6.25,>9.0
VOCs (ug/kg)							
Acetone	52	6.1	ND	ND	ND	ND	25000
SVOCs (ug/kg)							
Benzo(a)anthracene	ND	ND	ND	ND	20 J	8.1 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	ND	26 J	9.5 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	ND	ND	53	13 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	ND	ND	26 J	ND	---
Benzo(k)fluoranthene	ND	ND	ND	ND	42	ND	9000
Chrysene	ND	ND	ND	ND	30 J	ND	88000
Di-N-Octyl phthalate	ND	ND	ND	ND	370	230	1600000
Fluoranthene	ND	ND	ND	ND	40 J	13 J	3100000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	20 J	ND	900 / 900 / 1600
Phenanthrene	ND	ND	ND	ND	13 J	ND	---
Pyrene	ND	ND	ND	ND	36 J	12 J	2300000
Total Metals (mg/kg)							
Antimony, Total	0.31 J	0.36 J	0.32 J	0.24 J	0.34 J	0.49 J	5
Arsenic, Total	11 J	9.1 J	8.2 J	7.4 J	10 J	9.9 J	11.3 / 13.0
Barium, Total	63	62 J+	34	18 J+	92 J+	88 J+	1500
Beryllium, Total	0.66	0.54	0.54	0.37	0.78	0.86	22
Cadmium, Total	0.32 J	0.26 J-	0.37 J	0.29 J-	0.18 J-	0.09 J	5.2
Calcium, Total	20000 J+	45000 J-	38000 J+	130000 J-	7900 J-	3500 J-	---
Chromium, Total	17 J+	14 J+	15 J+	9.6 J+	20 J+	22 J+	21
Cobalt, Total	12 J	8.8 J-	10 J	8.1 J-	11 J-	11 J-	20
Copper, Total	27	24	22	20	22	24	2900
Iron, Total	24000 J+	19000 J+	19000 J+	15000 J+	24000 J+	26000 J+	15000 / 15900
Lead, Total	16 J	13	13 J	9.8	28	17	107
Magnesium, Total	15000 J	26000 J-	24000 J	76000 J-	6800 J-	4900 J-	325000
Manganese, Total	550 J	430 J	450 J	570 J	620 J	470 J	630 / 636
Mercury, Total	0.052	0.034	0.02	0.021	0.042	0.044	0.89
Nickel, Total	27	21	25	18	23	26	100
Potassium, Total	2100 J+	2300 J+	2500 J+	2100 J+	1800 J+	1800 J+	---
Sodium, Total	1500 J+	2300 J+	1300 J+	760 J+	1700 J+	1300 J+	---
Thallium, Total	0.7	0.49 J	0.67	0.71	1.1	0.37 J	2.6
Vanadium, Total	22	19	16	12	30	33	550
Zinc, Total	63 J	42 B	50 J	37 B	63 B	52 B	5100

Summary Table of ISGS Site No. 2177V-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	UR-1(0-5)-040815	UR-2(0-5)-040815	UR-3(0-5)-040815	UR-4(0-5)-040815	UR-5(0-2)-040815	UR-5(0-2)-040815D	**Soil Reference Concentrations[A]**
Sample Date	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	
Location ID	UR-1	UR-2	UR-3	UR-4	UR-5	UR-5	
Depth	0 - 5	0 - 5	0 - 5	0 - 5	0 - 2	0 - 2	
Lab Sample ID	500-94379-5	500-94378-13	500-94379-4	500-94378-14	500-94378-11	500-94378-12	
ISGS Site No.	2177V-7	2177V-7	2177V-7	2177V-7	2177V-7	2177V-7	
TCLP Metals (mg/l)							
Barium, TCLP	0.51	0.42 J	0.33 J	0.22 J	0.39 J	0.35 J	2
Cadmium, TCLP	0.0024 J	ND	0.0027 J	0.0029 J	ND	ND	0.005
Cobalt, TCLP	0.017 J	ND	ND	0.034	ND	ND	1
Copper, TCLP	ND	ND	0.011 J	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.21	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.01	0.0075
Manganese, TCLP	5	0.12	0.62	4.5	0.32	0.31	0.15
Nickel, TCLP	0.027	ND	ND	0.047	ND	ND	0.1
Zinc, TCLP	0.022 J	0.82	0.23	ND	0.89	0.037 J	5
SPLP Metals (mg/l)							
Arsenic, SPLP	ND	0.024 J	ND	0.02 J	0.041 J	ND	0.05
Barium, SPLP	0.19 J	0.22 J	0.16 J	0.13 J	0.46 J	0.2 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.0045	ND	0.004
Chromium, SPLP	0.035	0.063	0.033	0.039	0.11 J	0.029 J	0.1
Cobalt, SPLP	ND	0.018 J	ND	0.011 J	0.019 J	ND	1
Copper, SPLP	0.042	0.072	0.048	0.063	0.11 J	0.028 J	0.65
Iron, SPLP	34 J+	67 J-	32 J+	46 J-	120 J	25 J	5
Lead, SPLP	0.032	0.078	0.028	0.037	0.038	0.025	0.0075
Manganese, SPLP	0.36	0.42	0.17	0.22	0.46 J	0.12 J	0.15
Nickel, SPLP	0.035	0.067	0.038	0.049	0.1 J	0.025 J	0.1
Zinc, SPLP	0.21	0.16	0.14	0.36	0.3 J	0.17 J	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.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94378-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/16/2015 11:37:24 AM

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

Client Sample ID: UR-5(0-2)-040815
Date Collected: 04/08/15 11:55
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-11
Matrix: Solid
Percent Solids: 77.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.5		6.5	2.8	ug/Kg	☼		04/10/15 12:29	1
Benzene	<6.5		6.5	0.89	ug/Kg	☼		04/10/15 12:29	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		04/10/15 12:29	1
Bromoform	<6.5	*	6.5	1.5	ug/Kg	☼		04/10/15 12:29	1
Bromomethane	<6.5		6.5	2.0	ug/Kg	☼		04/10/15 12:29	1
Carbon disulfide	<6.5		6.5	0.97	ug/Kg	☼		04/10/15 12:29	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	☼		04/10/15 12:29	1
Chlorobenzene	<6.5		6.5	0.66	ug/Kg	☼		04/10/15 12:29	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	☼		04/10/15 12:29	1
Chloroform	<6.5		6.5	0.75	ug/Kg	☼		04/10/15 12:29	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	☼		04/10/15 12:29	1
cis-1,2-Dichloroethene	<6.5		6.5	0.92	ug/Kg	☼		04/10/15 12:29	1
cis-1,3-Dichloropropene	<6.5		6.5	0.85	ug/Kg	☼		04/10/15 12:29	1
Dibromochloromethane	<6.5	*	6.5	1.1	ug/Kg	☼		04/10/15 12:29	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	☼		04/10/15 12:29	1
1,2-Dichloroethane	<6.5		6.5	0.96	ug/Kg	☼		04/10/15 12:29	1
1,1-Dichloroethene	<6.5		6.5	1.0	ug/Kg	☼		04/10/15 12:29	1
1,2-Dichloropropane	<6.5		6.5	0.99	ug/Kg	☼		04/10/15 12:29	1
1,3-Dichloropropene, Total	<6.5		6.5	0.85	ug/Kg	☼		04/10/15 12:29	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	☼		04/10/15 12:29	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	☼		04/10/15 12:29	1
Methylene Chloride	<6.5		6.5	1.8	ug/Kg	☼		04/10/15 12:29	1
Methyl Ethyl Ketone	<6.5		6.5	2.4	ug/Kg	☼		04/10/15 12:29	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	☼		04/10/15 12:29	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	☼		04/10/15 12:29	1
Styrene	<6.5		6.5	0.85	ug/Kg	☼		04/10/15 12:29	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	☼		04/10/15 12:29	1
Tetrachloroethene	<6.5		6.5	0.99	ug/Kg	☼		04/10/15 12:29	1
Toluene	<6.5		6.5	0.91	ug/Kg	☼		04/10/15 12:29	1
trans-1,2-Dichloroethene	<6.5		6.5	0.89	ug/Kg	☼		04/10/15 12:29	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	☼		04/10/15 12:29	1
1,1,1-Trichloroethane	<6.5		6.5	0.97	ug/Kg	☼		04/10/15 12:29	1
1,1,2-Trichloroethane	<6.5		6.5	0.89	ug/Kg	☼		04/10/15 12:29	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	☼		04/10/15 12:29	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	☼		04/10/15 12:29	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		04/10/15 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*04/10/15 12:29*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/10/15 12:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/10/15 12:29*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/10/15 12:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<220		220	46	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
1,2-Dichlorobenzene	<220		220	51	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
1,3-Dichlorobenzene	<220		220	48	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
1,4-Dichlorobenzene	<220		220	55	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2,2'-oxybis[1-chloropropane]	<220		220	50	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: UR-5(0-2)-040815
Date Collected: 04/08/15 11:55
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-11
Matrix: Solid
Percent Solids: 77.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	98	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2,4-Dinitrophenol	<860		860	750	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2,4-Dinitrotoluene	<220		220	68	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2,6-Dinitrotoluene	<220		220	84	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2-Chloronaphthalene	<220		220	47	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2-Chlorophenol	<220		220	73	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2-Methylnaphthalene	<42		42	7.9	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2-Methylphenol	<220		220	69	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2-Nitroaniline	<220		220	58	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
3 & 4 Methylphenol	<220		220	71	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
3,3'-Dichlorobenzidine	<220		220	60	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
4,6-Dinitro-2-methylphenol	<420		420	340	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
4-Bromophenyl phenyl ether	<220		220	56	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
4-Chloro-3-methylphenol	<420		420	150	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
4-Chloroaniline	<860		860	200	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
4-Chlorophenyl phenyl ether	<220		220	50	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
4-Nitrophenol	<860		860	410	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Acenaphthene	<42		42	7.7	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Acenaphthylene	<42		42	5.6	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Anthracene	<42		42	7.1	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Benzo[a]anthracene	**20**	**J**	42	5.8	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Benzo[a]pyrene	**26**	**J**	42	8.3	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Benzo[b]fluoranthene	**53**		42	9.2	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Benzo[g,h,i]perylene	**26**	**J**	42	14	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Benzo[k]fluoranthene	**42**		42	13	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Bis(2-chloroethoxy)methane	<220		220	44	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Bis(2-chloroethyl)ether	<220		220	64	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Bis(2-ethylhexyl) phthalate	<220		220	78	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Butyl benzyl phthalate	<220		220	81	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Carbazole	<220		220	110	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Chrysene	**30**	**J**	42	12	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Dibenz(a,h)anthracene	<42		42	8.3	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Dibenzofuran	<220		220	50	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Diethyl phthalate	<220		220	72	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Dimethyl phthalate	<220		220	56	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Di-n-butyl phthalate	<220		220	65	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Di-n-octyl phthalate	**370**		220	70	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Fluoranthene	**40**	**J**	42	7.9	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Fluorene	<42		42	6.0	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Hexachlorobenzene	<86		86	9.9	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Hexachlorobutadiene	<220		220	67	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Hexachlorocyclopentadiene	<860		860	250	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Hexachloroethane	<220		220	65	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1

Client Sample ID: UR-5(0-2)-040815
Date Collected: 04/08/15 11:55
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-11
Matrix: Solid
Percent Solids: 77.0

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	20	J	42	11	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Isophorone	<220		220	48	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Naphthalene	<42		42	6.6	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Nitrobenzene	<42		42	11	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
N-Nitrosodi-n-propylamine	<220		220	52	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
N-Nitrosodiphenylamine	<220		220	50	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Pentachlorophenol	<860		860	690	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Phenanthrene	13	J	42	6.0	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Phenol	<220		220	95	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1
Pyrene	36	J	42	8.5	ug/Kg	☼	04/13/15 07:17	04/13/15 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*04/13/15 07:17*	*04/13/15 23:04*	*1*
2-Fluorobiphenyl	*52*		*25 - 119*	*04/13/15 07:17*	*04/13/15 23:04*	*1*
2-Fluorophenol	*50*		*25 - 110*	*04/13/15 07:17*	*04/13/15 23:04*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*04/13/15 07:17*	*04/13/15 23:04*	*1*
Phenol-d5	*57*		*31 - 110*	*04/13/15 07:17*	*04/13/15 23:04*	*1*
Terphenyl-d14	*85*		*36 - 134*	*04/13/15 07:17*	*04/13/15 23:04*	*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		04/13/15 08:40	04/14/15 01:52	1
Barium	0.39	J	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 01:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 01:52	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 01:52	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:52	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:52	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:52	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 01:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 20:14	1
Manganese	0.32		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:52	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:52	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 01:52	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:52	1
Zinc	0.89		0.10	0.020	mg/L		04/13/15 08:40	04/14/15 01:52	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		04/13/15 09:45	04/14/15 05:05	1
Barium	0.46	J	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 05:05	1
Beryllium	0.0045		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 05:05	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 05:05	1
Chromium	0.11		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:05	1
Cobalt	0.019	J	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:05	1
Copper	0.11		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:05	1
Iron	120		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 05:05	1
Lead	0.038		0.038	0.038	mg/L		04/13/15 09:45	04/15/15 12:19	5
Manganese	0.46		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:05	1
Nickel	0.10		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:05	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 05:05	1

Client Sample ID: UR-5(0-2)-040815
Date Collected: 04/08/15 11:55
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-11
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		04/13/15 09:45	04/14/15 05:05	1
Zinc	**0.30**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 05:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.34**	**J**	1.3	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Arsenic	**10**		0.65	0.30	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Barium	**92**		0.65	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Beryllium	**0.78**		0.26	0.056	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Cadmium	**0.18**		0.13	0.037	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Calcium	**7900**		13	4.2	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Chromium	**20**		0.65	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Cobalt	**11**		0.32	0.073	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Copper	**22**		0.65	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Iron	**24000**		13	5.0	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Lead	**28**		0.32	0.16	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Magnesium	**6800**		6.5	2.6	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Manganese	**620**		0.65	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Nickel	**23**		0.65	0.17	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Potassium	**1800**		32	5.3	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Selenium	<0.65		0.65	0.32	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Silver	<0.32		0.32	0.076	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Sodium	**1700**		65	8.5	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Thallium	**1.1**		0.65	0.32	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Vanadium	**30**		0.32	0.094	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	1
Zinc	**63**	**B**	1.3	0.41	mg/Kg	☼	04/09/15 16:58	04/10/15 15:14	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		04/13/15 12:00	04/14/15 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		04/13/15 12:00	04/14/15 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	**42**		20	7.1	ug/Kg	☼	04/10/15 10:30	04/13/15 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.93**		0.200	0.200	SU			04/09/15 15:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: UR-5(0-2)-040815D
Date Collected: 04/08/15 11:55
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-12
Matrix: Solid
Percent Solids: 77.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.5		6.5	2.8	ug/Kg	☼		04/10/15 12:55	1
Benzene	<6.5		6.5	0.88	ug/Kg	☼		04/10/15 12:55	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		04/10/15 12:55	1
Bromoform	<6.5	*	6.5	1.5	ug/Kg	☼		04/10/15 12:55	1
Bromomethane	<6.5		6.5	1.9	ug/Kg	☼		04/10/15 12:55	1
Carbon disulfide	<6.5		6.5	0.96	ug/Kg	☼		04/10/15 12:55	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	☼		04/10/15 12:55	1
Chlorobenzene	<6.5		6.5	0.65	ug/Kg	☼		04/10/15 12:55	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	☼		04/10/15 12:55	1
Chloroform	<6.5		6.5	0.74	ug/Kg	☼		04/10/15 12:55	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	☼		04/10/15 12:55	1
cis-1,2-Dichloroethene	<6.5		6.5	0.91	ug/Kg	☼		04/10/15 12:55	1
cis-1,3-Dichloropropene	<6.5		6.5	0.85	ug/Kg	☼		04/10/15 12:55	1
Dibromochloromethane	<6.5	*	6.5	1.1	ug/Kg	☼		04/10/15 12:55	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	☼		04/10/15 12:55	1
1,2-Dichloroethane	<6.5		6.5	0.96	ug/Kg	☼		04/10/15 12:55	1
1,1-Dichloroethene	<6.5		6.5	1.0	ug/Kg	☼		04/10/15 12:55	1
1,2-Dichloropropane	<6.5		6.5	0.98	ug/Kg	☼		04/10/15 12:55	1
1,3-Dichloropropene, Total	<6.5		6.5	0.85	ug/Kg	☼		04/10/15 12:55	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	☼		04/10/15 12:55	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	☼		04/10/15 12:55	1
Methylene Chloride	<6.5		6.5	1.7	ug/Kg	☼		04/10/15 12:55	1
Methyl Ethyl Ketone	<6.5		6.5	2.3	ug/Kg	☼		04/10/15 12:55	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	☼		04/10/15 12:55	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	☼		04/10/15 12:55	1
Styrene	<6.5		6.5	0.85	ug/Kg	☼		04/10/15 12:55	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	☼		04/10/15 12:55	1
Tetrachloroethene	<6.5		6.5	0.99	ug/Kg	☼		04/10/15 12:55	1
Toluene	<6.5		6.5	0.90	ug/Kg	☼		04/10/15 12:55	1
trans-1,2-Dichloroethene	<6.5		6.5	0.89	ug/Kg	☼		04/10/15 12:55	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	☼		04/10/15 12:55	1
1,1,1-Trichloroethane	<6.5		6.5	0.96	ug/Kg	☼		04/10/15 12:55	1
1,1,2-Trichloroethane	<6.5		6.5	0.88	ug/Kg	☼		04/10/15 12:55	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	☼		04/10/15 12:55	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	☼		04/10/15 12:55	1
Xylenes, Total	<13		13	0.58	ug/Kg	☼		04/10/15 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*04/10/15 12:55*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*04/10/15 12:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*04/10/15 12:55*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/10/15 12:55*	*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	☼	04/13/15 07:17	04/13/15 23:25	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: UR-5(0-2)-040815D
Date Collected: 04/08/15 11:55
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-12
Matrix: Solid
Percent Solids: 77.5

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	☼	04/13/15 07:17	04/13/15 23:25	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2-Methylnaphthalene	<41		41	7.6	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2-Methylphenol	<210		210	66	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Anthracene	<41		41	6.9	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Benzo[a]anthracene	**8.1**	**J**	41	5.6	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Benzo[a]pyrene	**9.5**	**J**	41	8.0	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Benzo[b]fluoranthene	**13**	**J**	41	8.9	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Carbazole	<210		210	110	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Chrysene	<41		41	11	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Dibenzofuran	<210		210	48	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Di-n-octyl phthalate	**230**		210	67	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Fluoranthene	**13**	**J**	41	7.7	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Fluorene	<41		41	5.8	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Hexachloroethane	<210		210	63	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: UR-5(0-2)-040815D
Date Collected: 04/08/15 11:55
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-12
Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Isophorone	<210		210	46	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Naphthalene	<41		41	6.4	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Nitrobenzene	<41		41	10	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Phenanthrene	<41		41	5.8	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Phenol	<210		210	92	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1
Pyrene	**12**	**J**	41	8.2	ug/Kg	☼	04/13/15 07:17	04/13/15 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*04/13/15 07:17*	*04/13/15 23:25*	*1*
2-Fluorobiphenyl	*54*		*25 - 119*	*04/13/15 07:17*	*04/13/15 23:25*	*1*
2-Fluorophenol	*51*		*25 - 110*	*04/13/15 07:17*	*04/13/15 23:25*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*04/13/15 07:17*	*04/13/15 23:25*	*1*
Phenol-d5	*53*		*31 - 110*	*04/13/15 07:17*	*04/13/15 23:25*	*1*
Terphenyl-d14	*80*		*36 - 134*	*04/13/15 07:17*	*04/13/15 23:25*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 08:40	04/14/15 01:58	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 01:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 01:58	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 01:58	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:58	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:58	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:58	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 01:58	1
Lead	**0.010**		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 20:19	1
Manganese	**0.31**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:58	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:58	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 01:58	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:58	1
Zinc	**0.037**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 01:58	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		04/13/15 09:45	04/14/15 05:11	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 05:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 05:11	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 05:11	1
Chromium	**0.029**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:11	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:11	1
Copper	**0.028**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:11	1
Iron	**25**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 05:11	1
Lead	**0.025**		0.0075	0.0075	mg/L		04/13/15 09:45	04/14/15 18:11	1
Manganese	**0.12**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:11	1
Nickel	**0.025**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:11	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 05:11	1

Client Sample ID: UR-5(0-2)-040815D
Date Collected: 04/08/15 11:55
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-12
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		04/13/15 09:45	04/14/15 05:11	1
Zinc	**0.17**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 05:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.49**	**J**	1.2	0.26	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Arsenic	**9.9**		0.62	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Barium	**88**		0.62	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Beryllium	**0.86**		0.25	0.054	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Cadmium	**0.090**	**J**	0.12	0.036	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Calcium	**3500**		12	4.0	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Chromium	**22**		0.62	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Cobalt	**11**		0.31	0.070	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Copper	**24**		0.62	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Iron	**26000**		12	4.8	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Lead	**17**		0.31	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Magnesium	**4900**		6.2	2.5	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Manganese	**470**		0.62	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Nickel	**26**		0.62	0.17	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Potassium	**1800**		31	5.1	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Selenium	<0.62		0.62	0.31	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Sodium	**1300**		62	8.2	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Thallium	**0.37**	**J**	0.62	0.31	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Vanadium	**33**		0.31	0.091	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	1
Zinc	**52**	**B**	1.2	0.39	mg/Kg	☼	04/09/15 16:58	04/10/15 15:21	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		04/13/15 12:00	04/14/15 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 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	**44**		21	7.2	ug/Kg	☼	04/10/15 10:30	04/13/15 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.84**		0.200	0.200	SU			04/09/15 15:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: UR-2(0-5)-040815
Date Collected: 04/08/15 12:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-13
Matrix: Solid
Percent Solids: 83.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.1		6.0	2.6	ug/Kg	☼		04/10/15 13:20	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/10/15 13:20	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/10/15 13:20	1
Bromoform	<6.0	*	6.0	1.4	ug/Kg	☼		04/10/15 13:20	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/10/15 13:20	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/10/15 13:20	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/10/15 13:20	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/10/15 13:20	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 13:20	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/10/15 13:20	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/10/15 13:20	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/10/15 13:20	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 13:20	1
Dibromochloromethane	<6.0	*	6.0	1.0	ug/Kg	☼		04/10/15 13:20	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/10/15 13:20	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/10/15 13:20	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/10/15 13:20	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/10/15 13:20	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 13:20	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/10/15 13:20	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/10/15 13:20	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 13:20	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/10/15 13:20	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 13:20	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/10/15 13:20	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 13:20	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/10/15 13:20	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/10/15 13:20	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/10/15 13:20	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/10/15 13:20	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/10/15 13:20	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/10/15 13:20	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/10/15 13:20	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/10/15 13:20	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/10/15 13:20	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/10/15 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*04/10/15 13:20*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/10/15 13:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*04/10/15 13:20*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/10/15 13:20*	*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	☼	04/13/15 07:17	04/13/15 23:45	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: UR-2(0-5)-040815
Date Collected: 04/08/15 12:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-13
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Carbazole	<190		190	97	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Chrysene	<37		37	10	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1

Client Sample ID: UR-2(0-5)-040815
Date Collected: 04/08/15 12:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-13
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Isophorone	<190		190	42	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Phenanthrene	<37		37	5.3	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Phenol	<190		190	84	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1
Pyrene	<37		37	7.5	ug/Kg	☼	04/13/15 07:17	04/13/15 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*35 - 137*	*04/13/15 07:17*	*04/13/15 23:45*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*04/13/15 07:17*	*04/13/15 23:45*	*1*
2-Fluorophenol	*55*		*25 - 110*	*04/13/15 07:17*	*04/13/15 23:45*	*1*
Nitrobenzene-d5	*49*		*25 - 115*	*04/13/15 07:17*	*04/13/15 23:45*	*1*
Phenol-d5	*54*		*31 - 110*	*04/13/15 07:17*	*04/13/15 23:45*	*1*
Terphenyl-d14	*70*		*36 - 134*	*04/13/15 07:17*	*04/13/15 23:45*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 08:40	04/14/15 02:19	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 02:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 02:19	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 02:19	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:19	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:19	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:19	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 02:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 20:24	1
Manganese	**0.12**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:19	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:19	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 02:19	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:19	1
Zinc	**0.82**		0.10	0.020	mg/L		04/13/15 08:40	04/14/15 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.024**	**J**	0.050	0.010	mg/L		04/13/15 09:45	04/14/15 05:17	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 05:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 05:17	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 05:17	1
Chromium	**0.063**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:17	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:17	1
Copper	**0.072**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:17	1
Iron	**67**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 05:17	1
Lead	**0.078**		0.038	0.038	mg/L		04/13/15 09:45	04/15/15 12:23	5
Manganese	**0.42**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:17	1
Nickel	**0.067**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 05:17	1

Client Sample ID: UR-2(0-5)-040815
Date Collected: 04/08/15 12:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-13
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		04/13/15 09:45	04/14/15 05:17	1
Zinc	**0.16**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 05:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.36**	**J**	1.2	0.25	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Arsenic	**9.1**		0.59	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Barium	**62**		0.59	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Beryllium	**0.54**		0.24	0.052	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Cadmium	**0.26**		0.12	0.034	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Calcium	**45000**		12	3.8	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Chromium	**14**		0.59	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Cobalt	**8.8**		0.30	0.067	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Copper	**24**		0.59	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Iron	**19000**		12	4.6	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Lead	**13**		0.30	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Magnesium	**26000**		5.9	2.4	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Manganese	**430**		0.59	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Nickel	**21**		0.59	0.16	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Potassium	**2300**		30	4.9	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Sodium	**2300**		59	7.9	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Thallium	**0.49**	**J**	0.59	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Vanadium	**19**		0.30	0.087	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	1
Zinc	**42**	**B**	1.2	0.38	mg/Kg	☼	04/09/15 16:58	04/10/15 15:27	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		04/13/15 12:00	04/14/15 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 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	**34**		19	6.7	ug/Kg	☼	04/10/15 10:30	04/13/15 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.78**		0.200	0.200	SU			04/09/15 15:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: UR-4(0-5)-040815
Date Collected: 04/08/15 12:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-14
Matrix: Solid
Percent Solids: 86.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/10/15 13:46	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/10/15 13:46	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		04/10/15 13:46	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		04/10/15 13:46	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		04/10/15 13:46	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		04/10/15 13:46	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/10/15 13:46	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/10/15 13:46	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/10/15 13:46	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		04/10/15 13:46	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 13:46	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/10/15 13:46	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/10/15 13:46	1
Dibromochloromethane	<5.8	*	5.8	1.0	ug/Kg	☼		04/10/15 13:46	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		04/10/15 13:46	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/10/15 13:46	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		04/10/15 13:46	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/10/15 13:46	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/10/15 13:46	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 13:46	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/10/15 13:46	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/10/15 13:46	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/10/15 13:46	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/10/15 13:46	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		04/10/15 13:46	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/10/15 13:46	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 13:46	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/10/15 13:46	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/10/15 13:46	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		04/10/15 13:46	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/10/15 13:46	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/10/15 13:46	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/10/15 13:46	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		04/10/15 13:46	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 13:46	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/10/15 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*04/10/15 13:46*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/10/15 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*04/10/15 13:46*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/10/15 13:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: UR-4(0-5)-040815
Date Collected: 04/08/15 12:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-14
Matrix: Solid
Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2-Methylphenol	<180		180	58	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Anthracene	<36		36	6.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Carbazole	<180		180	94	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Chrysene	<36		36	9.9	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Fluorene	<36		36	5.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1

Client Sample ID: UR-4(0-5)-040815
Date Collected: 04/08/15 12:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-14
Matrix: Solid
Percent Solids: 86.6

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	<36		36	9.4	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Isophorone	<180		180	41	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Naphthalene	<36		36	5.6	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Phenol	<180		180	81	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1
Pyrene	<36		36	7.2	ug/Kg	☼	04/13/15 07:17	04/14/15 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*50*		*35 - 137*	*04/13/15 07:17*	*04/14/15 00:05*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*04/13/15 07:17*	*04/14/15 00:05*	*1*
2-Fluorophenol	*70*		*25 - 110*	*04/13/15 07:17*	*04/14/15 00:05*	*1*
Nitrobenzene-d5	*53*		*25 - 115*	*04/13/15 07:17*	*04/14/15 00:05*	*1*
Phenol-d5	*70*		*31 - 110*	*04/13/15 07:17*	*04/14/15 00:05*	*1*
Terphenyl-d14	*98*		*36 - 134*	*04/13/15 07:17*	*04/14/15 00:05*	*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		04/13/15 08:40	04/14/15 00:28	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 00:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 00:28	1
Cadmium	**0.0029**	**J ^**	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 00:28	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:28	1
Cobalt	**0.034**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:28	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:28	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 00:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 19:10	1
Manganese	**4.5**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:28	1
Nickel	**0.047**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:28	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 00:28	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:28	1
Zinc	<0.10		0.10	0.020	mg/L		04/13/15 08:40	04/14/15 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.020**	**J**	0.050	0.010	mg/L		04/13/15 09:45	04/14/15 05:24	1
Barium	**0.13**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 05:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 05:24	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 05:24	1
Chromium	**0.039**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:24	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:24	1
Copper	**0.063**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:24	1
Iron	**46**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 05:24	1
Lead	**0.037**		0.0075	0.0075	mg/L		04/13/15 09:45	04/14/15 18:19	1
Manganese	**0.22**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:24	1
Nickel	**0.049**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:24	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 05:24	1

Client Sample ID: UR-4(0-5)-040815
Date Collected: 04/08/15 12:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-14
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		04/13/15 09:45	04/14/15 05:24	1
Zinc	**0.36**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 05:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.24**	**J**	1.1	0.22	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Arsenic	**7.4**		0.53	0.24	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Barium	**18**		0.53	0.097	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Beryllium	**0.37**		0.21	0.046	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Cadmium	**0.29**		0.11	0.031	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Calcium	**130000**		110	34	mg/Kg	☼	04/09/15 16:58	04/13/15 22:20	10
Chromium	**9.6**		0.53	0.091	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Cobalt	**8.1**		0.26	0.060	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Copper	**20**		0.53	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Iron	**15000**		11	4.1	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Lead	**9.8**		0.26	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Magnesium	**76000**		53	21	mg/Kg	☼	04/09/15 16:58	04/13/15 22:20	10
Manganese	**570**		0.53	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Nickel	**18**		0.53	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Potassium	**2100**		26	4.3	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Sodium	**760**		53	7.0	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Thallium	**0.71**		0.53	0.26	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Vanadium	**12**		0.26	0.077	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1
Zinc	**37**	**B**	1.1	0.33	mg/Kg	☼	04/09/15 16:58	04/10/15 15:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 12:31	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	**21**		18	6.3	ug/Kg	☼	04/10/15 10:30	04/13/15 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.17**		0.200	0.200	SU			04/09/15 15:39	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
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.

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 - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94378 COC

Chain of Custody Record

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramanian	Contact:	
Company:	Weston	Company:	
Address:	300 Plaza Circle Ste 202	Address:	Same
Address:	Mundelein, IL 60061	Address:	
Phone:	224-864-7280	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Lab Job #: 500-94378

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: 3.1, 2.7

Client	Weston
Client Project #	
Project Name	IDOT-019
Project Location/State	New Lenox /IL
Lab Project #	
Sampler	T. Walls
Lab PM	D 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	VOCs	SVOCs	Total Metals	TCLP Metals	PH					Comments
1		AL-2(0-4)-040815	4-8-15	0925	2	S	X	X	X	X	X					
2		AL-2(0-4)-040815D	↓	0925	↓	↓	↓	↓	↓	↓	↓					
3		AL-4(0-6.5)-040815	↓	0940	↓	↓	↓	↓	↓	↓	↓					
4		AL-6(0-6.5)-040815	↓	1000	↓	↓	↓	↓	↓	↓	↓					
5		AL-7(0-6.5)-040815	↓	1020	↓	↓	↓	↓	↓	↓	↓					
6		AL-8(0-5)-040815	↓	1040	↓	↓	↓	↓	↓	↓	↓					
7		AL-9(0-6.5)-040815	↓	1050	↓	↓	↓	↓	↓	↓	↓					
8		AL-10(0-5)-040815	↓	1110	↓	↓	↓	↓	↓	↓	↓					
9		R8-1(0-2)-040815	↓	1125	↓	↓	↓	↓	↓	↓	↓					
10		R8-2(0-2)-040815	4-8-15	1135	2	S	X	X	X	X	X					

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
Timothy A. Walls	Weston	4-8-15	1505	[signature]	TAL	4-8-15	1505
[signature]	TAL	4-8-15	1540	Shawn Scott	TA-CHI	4/8/15	1540

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:

TAL-4124-500 (1209)

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
Address: 300 Plaza Circle Ste 202
Address: Naperville, IL 60563
Phone: 224-864-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94378
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: SVOC	SVOC	Total metals	TCLP/SPLP metals	PFT	Comments
11		UR-5(0-2)-040815	4-8-15	1155	2	S		X	X	X	X	X	
12		UR-5(0-2)-040815D		1155									
13		UR-2(0-5)-040815		1225									
14		UR-4(0-5)-040815		1235									
15		RB-3(0-5.5)-040815		1245									
16		RB-4(0-5.5)-040815		1300									
17		RB-5(0-4)-040815		1310									
18		GK-2(0-2)-040815		1325									
19		GK-1(0-2)-040815		1335									
20		W10-1(0-3)-040815	4-8-15	1345	2	S		X	X	X	X	X	

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
Timothy A. Walls	Weston	4-8-15	1505				
		4-8-15	1540		TA-CHI	4/8/15	1540

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:

TAL-4124-500 (1209)

4/16/2015

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: 500-94379-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/15/2015 4:24:52 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: UR-3(0-5)-040815
Date Collected: 04/08/15 14:30
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-4
Matrix: Solid
Percent Solids: 84.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/10/15 18:01	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/10/15 18:01	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/10/15 18:01	1
Bromoform	<6.0	*	6.0	1.4	ug/Kg	☼		04/10/15 18:01	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/10/15 18:01	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/10/15 18:01	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/10/15 18:01	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		04/10/15 18:01	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 18:01	1
Chloroform	<6.0		6.0	0.68	ug/Kg	☼		04/10/15 18:01	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/10/15 18:01	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		04/10/15 18:01	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		04/10/15 18:01	1
Dibromochloromethane	<6.0	*	6.0	1.0	ug/Kg	☼		04/10/15 18:01	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		04/10/15 18:01	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		04/10/15 18:01	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		04/10/15 18:01	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		04/10/15 18:01	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		04/10/15 18:01	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/10/15 18:01	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/10/15 18:01	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 18:01	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/10/15 18:01	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 18:01	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		04/10/15 18:01	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		04/10/15 18:01	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/10/15 18:01	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/10/15 18:01	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		04/10/15 18:01	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/10/15 18:01	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/10/15 18:01	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/10/15 18:01	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		04/10/15 18:01	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		04/10/15 18:01	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/10/15 18:01	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/10/15 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*04/10/15 18:01*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*04/10/15 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*04/10/15 18:01*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/10/15 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	40	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: UR-3(0-5)-040815
Date Collected: 04/08/15 14:30
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-4
Matrix: Solid
Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2,4-Dinitrophenol	<750	*	750	660	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
4,6-Dinitro-2-methylphenol	<370	*	370	300	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Carbazole	<190		190	97	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Chrysene	<37		37	10	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Hexachlorocyclopentadiene	<750		750	220	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: UR-3(0-5)-040815
Date Collected: 04/08/15 14:30
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-4
Matrix: Solid
Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Isophorone	<190		190	42	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Phenol	<190		190	83	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1
Pyrene	<37		37	7.4	ug/Kg	☼	04/10/15 15:43	04/14/15 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*37*		*35 - 137*	*04/10/15 15:43*	*04/14/15 15:34*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*04/10/15 15:43*	*04/14/15 15:34*	*1*
2-Fluorophenol	*53*		*25 - 110*	*04/10/15 15:43*	*04/14/15 15:34*	*1*
Nitrobenzene-d5	*50*		*25 - 115*	*04/10/15 15:43*	*04/14/15 15:34*	*1*
Phenol-d5	*56*		*31 - 110*	*04/10/15 15:43*	*04/14/15 15:34*	*1*
Terphenyl-d14	*64*		*36 - 134*	*04/10/15 15:43*	*04/14/15 15:34*	*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		04/13/15 09:15	04/13/15 19:21	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		04/13/15 09:15	04/13/15 19:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:15	04/13/15 19:21	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		04/13/15 09:15	04/13/15 19:21	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:21	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:21	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:21	1
Iron	**0.21**		0.20	0.20	mg/L		04/13/15 09:15	04/13/15 19:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 09:15	04/13/15 19:21	1
Manganese	**0.62**		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:21	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:21	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:15	04/13/15 19:21	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:21	1
Zinc	**0.23**		0.10	0.020	mg/L		04/13/15 09:15	04/14/15 14:36	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		04/14/15 08:00	04/14/15 23:08	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		04/14/15 08:00	04/14/15 23:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/14/15 08:00	04/14/15 23:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/14/15 08:00	04/14/15 23:08	1
Chromium	**0.033**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:08	1
Cobalt	<0.025		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:08	1
Copper	**0.048**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:08	1
Iron	**32**		0.20	0.20	mg/L		04/14/15 08:00	04/14/15 23:08	1
Lead	**0.028**		0.0075	0.0075	mg/L		04/14/15 08:00	04/14/15 23:08	1
Manganese	**0.17**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:08	1
Nickel	**0.038**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:08	1
Selenium	<0.050		0.050	0.020	mg/L		04/14/15 08:00	04/14/15 23:08	1

Client Sample ID: UR-3(0-5)-040815
Date Collected: 04/08/15 14:30
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-4
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		04/14/15 08:00	04/14/15 23:08	1
Zinc	**0.14**		0.10	0.020	mg/L		04/14/15 08:00	04/14/15 23:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.32**	**J**	1.2	0.24	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Arsenic	**8.2**		0.59	0.27	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Barium	**34**		0.59	0.11	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Beryllium	**0.54**		0.23	0.051	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Cadmium	**0.37**		0.12	0.034	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Calcium	**38000**		12	3.8	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Chromium	**15**		0.59	0.10	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Cobalt	**10**		0.29	0.066	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Copper	**22**		0.59	0.13	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Iron	**19000**		12	4.5	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Lead	**13**		0.29	0.15	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Magnesium	**24000**		5.9	2.4	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Manganese	**450**		0.59	0.12	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Nickel	**25**		0.59	0.16	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Potassium	**2500**		29	4.8	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Sodium	**1300**		59	7.7	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Thallium	**0.67**		0.59	0.29	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Vanadium	**16**		0.29	0.085	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	1
Zinc	**50**		1.2	0.37	mg/Kg	☼	04/10/15 09:35	04/10/15 18:13	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		04/13/15 12:00	04/14/15 09:24	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		04/14/15 11:30	04/15/15 08:23	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**		20	6.9	ug/Kg	☼	04/10/15 10:30	04/13/15 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.68**		0.200	0.200	SU			04/09/15 15:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: UR-1(0-5)-040815
Date Collected: 04/08/15 14:45
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-5
Matrix: Solid
Percent Solids: 81.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	52		6.1	2.6	ug/Kg	☼		04/10/15 18:26	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		04/10/15 18:26	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/10/15 18:26	1
Bromoform	<6.1	*	6.1	1.4	ug/Kg	☼		04/10/15 18:26	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/10/15 18:26	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/10/15 18:26	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/10/15 18:26	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/10/15 18:26	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/10/15 18:26	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/10/15 18:26	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/10/15 18:26	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/10/15 18:26	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/10/15 18:26	1
Dibromochloromethane	<6.1	*	6.1	1.1	ug/Kg	☼		04/10/15 18:26	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		04/10/15 18:26	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/10/15 18:26	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		04/10/15 18:26	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		04/10/15 18:26	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/10/15 18:26	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/10/15 18:26	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/10/15 18:26	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/10/15 18:26	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/10/15 18:26	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/10/15 18:26	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/10/15 18:26	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/10/15 18:26	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/10/15 18:26	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/10/15 18:26	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		04/10/15 18:26	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/10/15 18:26	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/10/15 18:26	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/10/15 18:26	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/10/15 18:26	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/10/15 18:26	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/10/15 18:26	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/10/15 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*04/10/15 18:26*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/10/15 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/10/15 18:26*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/10/15 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	<190		190	41	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: UR-1(0-5)-040815
Date Collected: 04/08/15 14:45
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-5
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2,4-Dinitrophenol	<770	*	770	670	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
4,6-Dinitro-2-methylphenol	<380	*	380	310	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Carbazole	<190		190	99	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Chrysene	<38		38	10	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: UR-1(0-5)-040815
Date Collected: 04/08/15 14:45
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-5
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Isophorone	<190		190	43	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Phenol	<190		190	85	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1
Pyrene	<38		38	7.6	ug/Kg	☼	04/10/15 15:43	04/14/15 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*35 - 137*	*04/10/15 15:43*	*04/14/15 15:58*	*1*
2-Fluorobiphenyl	*52*		*25 - 119*	*04/10/15 15:43*	*04/14/15 15:58*	*1*
2-Fluorophenol	*47*		*25 - 110*	*04/10/15 15:43*	*04/14/15 15:58*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*04/10/15 15:43*	*04/14/15 15:58*	*1*
Phenol-d5	*52*		*31 - 110*	*04/10/15 15:43*	*04/14/15 15:58*	*1*
Terphenyl-d14	*68*		*36 - 134*	*04/10/15 15:43*	*04/14/15 15:58*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 09:15	04/13/15 19:26	1
Barium	**0.51**		0.50	0.050	mg/L		04/13/15 09:15	04/13/15 19:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:15	04/13/15 19:26	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		04/13/15 09:15	04/13/15 19:26	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:26	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:26	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:26	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 09:15	04/13/15 19:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 09:15	04/13/15 19:26	1
Manganese	**5.0**		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:26	1
Nickel	**0.027**		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:26	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:15	04/13/15 19:26	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:26	1
Zinc	**0.022**	**J ^**	0.10	0.020	mg/L		04/13/15 09:15	04/13/15 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/14/15 08:00	04/14/15 23:12	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		04/14/15 08:00	04/14/15 23:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/14/15 08:00	04/14/15 23:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/14/15 08:00	04/14/15 23:12	1
Chromium	**0.035**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:12	1
Cobalt	<0.025		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:12	1
Copper	**0.042**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:12	1
Iron	**34**		0.20	0.20	mg/L		04/14/15 08:00	04/14/15 23:12	1
Lead	**0.032**		0.0075	0.0075	mg/L		04/14/15 08:00	04/14/15 23:12	1
Manganese	**0.36**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:12	1
Nickel	**0.035**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 23:12	1
Selenium	<0.050		0.050	0.020	mg/L		04/14/15 08:00	04/14/15 23:12	1

Client Sample ID: UR-1(0-5)-040815
Date Collected: 04/08/15 14:45
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-5
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		04/14/15 08:00	04/14/15 23:12	1
Zinc	**0.21**		0.10	0.020	mg/L		04/14/15 08:00	04/14/15 23:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.31**	**J**	1.2	0.24	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Arsenic	**11**		0.58	0.27	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Barium	**63**		0.58	0.11	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Beryllium	**0.66**		0.23	0.050	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Cadmium	**0.32**		0.12	0.034	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Calcium	**20000**		12	3.7	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Chromium	**17**		0.58	0.10	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Cobalt	**12**		0.29	0.066	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Copper	**27**		0.58	0.13	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Iron	**24000**		12	4.5	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Lead	**16**		0.29	0.14	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Magnesium	**15000**		5.8	2.4	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Manganese	**550**		0.58	0.11	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Nickel	**27**		0.58	0.16	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Potassium	**2100**		29	4.7	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Sodium	**1500**		58	7.7	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Thallium	**0.70**		0.58	0.29	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Vanadium	**22**		0.29	0.085	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	1
Zinc	**63**		1.2	0.37	mg/Kg	☼	04/10/15 09:35	04/10/15 18:19	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		04/13/15 12:00	04/14/15 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/14/15 11:30	04/15/15 08:25	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	**52**		20	7.1	ug/Kg	☼	04/10/15 10:30	04/13/15 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.74**		0.200	0.200	SU			04/09/15 15:59	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94379 COC

Chain of Custody Record

Lab Job #: 500-94379

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: 3.1, 2.7

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramanian	Contact:	
Company:	Weston	Company:	
Address:	300 Plaza Circle Ste 202	Address:	
Address:	Naperville, IL 60540	Address:	
Phone:	224-864-7250	Phone:	same
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative
Weston		
Project Name: IDOT-019		Parameter
Project Location/State: New Lenox / IL	Lab Project #	
Sampler: T. Walls	Lab PM: D. Wright	

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. $NaHSO_4$
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
1		CR-2(0-5.5)-040815	4-8-15	1400	2	S	X	X	X	X	X	
2		CR-2(0-5.5)-040815D		1400								
3		CR-1(0-5.5)-040815		1415								
4		UR-3(0-5)-040815		1430								
5		UR-1(0-5)-040815		1445								
6		WS-1(0-3)-040815	4-8-15	1505	2	S	X	X	X	X	X	

T. Walls 4-8-15

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
T. Walls	Weston	4-8-15	1505		TAL	4-8-15	1505
		4-8-15	1540	Sherri Scott	TAL-CHI	4/8/15	1540
		Date	Time	Received By	Company	Date	Time

Lab Courier: TAL
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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

18741 & 18801 S. Parker Road and 18704-18748 S. Tammy Drive (ISGS Site No. 2177V-8)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.547852874 (Decimal Degrees) Longitude: -87.942665974 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAU 297: US 6 at Parker Road

Latitude: 41.547852874 Longitude: -87.942665974

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 R8-1, R8-2, AND R8-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 2177V-8. SEE FIGURES 3-1 AND 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-94378-1.
ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 June 2015
Date:

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

Summary Table of ISGS Site No. 2177V-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	R8-1(0-2)-040815	R8-2(0-2)-040815	R8-4(0-5.5)-040815	**Soil Reference Concentrations[A]**
Sample Date	4/8/2015	4/8/2015	4/8/2015	
Location ID	R8-1	R8-2	R8-4	
Depth	0 - 2	0 - 2	0 - 5.5	
Lab Sample ID	500-94378-9	500-94378-10	500-94378-16	
ISGS Site No.	2177V-8	2177V-8	2177V-8	
Parameter				
Laboratory pH (s.u.)	8.23	7.57	8.33	<6.25,>9.0
VOCs (ug/kg)	**No Dectections**			
SVOCs (ug/kg)				
Phenanthrene	ND	ND	17 J	---
Total Metals (mg/kg)				
Antimony, Total	0.42 J	0.27 J	0.34 J	5
Arsenic, Total	10 J	7.3 J	7 J	11.3 / 13.0
Barium, Total	62 J+	69 J+	23 J+	1500
Beryllium, Total	0.8	0.86	0.53	22
Cadmium, Total	0.14 J-	0.25 J-	0.3 J-	5.2
Calcium, Total	5400 J-	24000 J-	45000 J-	---
Chromium, Total	21 J+	24 J+	15 J+	21
Cobalt, Total	11 J-	12 J-	7.3 J-	20
Copper, Total	29	20	26	2900
Iron, Total	26000 J+	23000 J+	18000 J+	15000 / 15900
Lead, Total	17	12	13	107
Magnesium, Total	6700 J-	20000 J-	27000 J-	325000
Manganese, Total	410 J	470 J	350 J	630 / 636
Mercury, Total	0.04	0.031	0.02	0.89
Nickel, Total	31	32	21	100
Potassium, Total	2300 J+	3700 J+	2900 J+	---
Sodium, Total	290 J+	2600 J+	610 J+	---
Thallium, Total	0.78	0.35 J	0.61	2.6
Vanadium, Total	25	26	17	550
Zinc, Total	65 B	49 B	50 B	5100
TCLP Metals (mg/l)				
Barium, TCLP	0.41 J	0.34 J	0.17 J	2
Cadmium, TCLP	ND	ND	0.0043 J	0.005
Cobalt, TCLP	ND	ND	0.067	1
Manganese, TCLP	0.3	0.81	4.9	0.15
Nickel, TCLP	ND	ND	0.06	0.1
Zinc, TCLP	0.036 J	0.023 J	0.036 J	5
SPLP Metals (mg/l)				
Arsenic, SPLP	ND	0.029 J	0.023 J	0.05
Barium, SPLP	0.13 J	0.23 J	0.12 J	2
Chromium, SPLP	0.024 J	0.073	0.05	0.1
Cobalt, SPLP	ND	0.017 J	0.014 J	1
Copper, SPLP	0.029	0.084	0.078	0.65
Iron, SPLP	22 J-	75 J-	54 J-	5
Lead, SPLP	0.021	ND	0.049	0.0075
Manganese, SPLP	0.088	0.35	0.2	0.15
Nickel, SPLP	0.024 J	0.086	0.058	0.1
Zinc, SPLP	0.071 J	0.26	0.23	5

Summary Table of ISGS Site No. 2177V-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94378-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/16/2015 11:37:24 AM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-1(0-2)-040815
Date Collected: 04/08/15 11:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-9
Matrix: Solid
Percent Solids: 82.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/10/15 11:38	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		04/10/15 11:38	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/10/15 11:38	1
Bromoform	<6.0	*	6.0	1.4	ug/Kg	☼		04/10/15 11:38	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/10/15 11:38	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/10/15 11:38	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/10/15 11:38	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/10/15 11:38	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 11:38	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/10/15 11:38	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/10/15 11:38	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/10/15 11:38	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 11:38	1
Dibromochloromethane	<6.0	*	6.0	1.1	ug/Kg	☼		04/10/15 11:38	1
1,1-Dichloroethane	<6.0		6.0	0.96	ug/Kg	☼		04/10/15 11:38	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/10/15 11:38	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	☼		04/10/15 11:38	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		04/10/15 11:38	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 11:38	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/10/15 11:38	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/10/15 11:38	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 11:38	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/10/15 11:38	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 11:38	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		04/10/15 11:38	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 11:38	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/10/15 11:38	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/10/15 11:38	1
Toluene	<6.0		6.0	0.85	ug/Kg	☼		04/10/15 11:38	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/10/15 11:38	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/10/15 11:38	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/10/15 11:38	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/10/15 11:38	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		04/10/15 11:38	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/10/15 11:38	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/10/15 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*04/10/15 11:38*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/10/15 11:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*04/10/15 11:38*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/10/15 11:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-1(0-2)-040815
Date Collected: 04/08/15 11:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-9
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	☼	04/13/15 07:17	04/13/15 22:23	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Carbazole	<200		200	100	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Chrysene	<39		39	11	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-1(0-2)-040815
Date Collected: 04/08/15 11:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-9
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	☼	04/13/15 07:17	04/13/15 22:23	1
Isophorone	<200		200	44	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Phenol	<200		200	87	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1
Pyrene	<39		39	7.8	ug/Kg	☼	04/13/15 07:17	04/13/15 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*35 - 137*	*04/13/15 07:17*	*04/13/15 22:23*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*04/13/15 07:17*	*04/13/15 22:23*	*1*
2-Fluorophenol	*50*		*25 - 110*	*04/13/15 07:17*	*04/13/15 22:23*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*04/13/15 07:17*	*04/13/15 22:23*	*1*
Phenol-d5	*53*		*31 - 110*	*04/13/15 07:17*	*04/13/15 22:23*	*1*
Terphenyl-d14	*79*		*36 - 134*	*04/13/15 07:17*	*04/13/15 22:23*	*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		04/13/15 08:40	04/14/15 01:39	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 01:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 01:39	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 01:39	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:39	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:39	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:39	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 01:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 19:56	1
Manganese	**0.30**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:39	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:39	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 01:39	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:39	1
Zinc	**0.036**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 01:39	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		04/13/15 09:45	04/14/15 04:37	1
Barium	**0.13**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 04:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 04:37	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 04:37	1
Chromium	**0.024**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:37	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:37	1
Copper	**0.029**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:37	1
Iron	**22**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 04:37	1
Lead	**0.021**		0.0075	0.0075	mg/L		04/13/15 09:45	04/14/15 17:59	1
Manganese	**0.088**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:37	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:37	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 04:37	1

Client Sample ID: R8-1(0-2)-040815
Date Collected: 04/08/15 11:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-9
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		04/13/15 09:45	04/14/15 04:37	1
Zinc	**0.071**	**J**	0.10	0.020	mg/L		04/13/15 09:45	04/14/15 04:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.42**	**J**	1.1	0.23	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Arsenic	**10**		0.56	0.26	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Barium	**62**		0.56	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Beryllium	**0.80**		0.22	0.048	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Cadmium	**0.14**		0.11	0.032	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Calcium	**5400**		11	3.6	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Chromium	**21**		0.56	0.096	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Cobalt	**11**		0.28	0.063	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Copper	**29**		0.56	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Iron	**26000**		11	4.3	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Lead	**17**		0.28	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Magnesium	**6700**		5.6	2.3	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Manganese	**410**		0.56	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Nickel	**31**		0.56	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Potassium	**2300**		28	4.6	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Sodium	**290**		56	7.4	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Thallium	**0.78**		0.56	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Vanadium	**25**		0.28	0.082	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	1
Zinc	**65**	**B**	1.1	0.35	mg/Kg	☼	04/09/15 16:58	04/10/15 15:02	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		04/13/15 12:00	04/14/15 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		04/13/15 12:00	04/14/15 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	**40**		19	6.6	ug/Kg	☼	04/10/15 10:30	04/13/15 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.23**		0.200	0.200	SU			04/09/15 15:31	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-2(0-2)-040815
Date Collected: 04/08/15 11:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-10
Matrix: Solid
Percent Solids: 79.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		04/10/15 12:04	1
Benzene	<6.3		6.3	0.87	ug/Kg	☼		04/10/15 12:04	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/10/15 12:04	1
Bromoform	<6.3	*	6.3	1.5	ug/Kg	☼		04/10/15 12:04	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		04/10/15 12:04	1
Carbon disulfide	<6.3		6.3	0.95	ug/Kg	☼		04/10/15 12:04	1
Carbon tetrachloride	<6.3		6.3	1.2	ug/Kg	☼		04/10/15 12:04	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		04/10/15 12:04	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		04/10/15 12:04	1
Chloroform	<6.3		6.3	0.73	ug/Kg	☼		04/10/15 12:04	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		04/10/15 12:04	1
cis-1,2-Dichloroethene	<6.3		6.3	0.90	ug/Kg	☼		04/10/15 12:04	1
cis-1,3-Dichloropropene	<6.3		6.3	0.83	ug/Kg	☼		04/10/15 12:04	1
Dibromochloromethane	<6.3	*	6.3	1.1	ug/Kg	☼		04/10/15 12:04	1
1,1-Dichloroethane	<6.3		6.3	1.0	ug/Kg	☼		04/10/15 12:04	1
1,2-Dichloroethane	<6.3		6.3	0.94	ug/Kg	☼		04/10/15 12:04	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/10/15 12:04	1
1,2-Dichloropropane	<6.3		6.3	0.96	ug/Kg	☼		04/10/15 12:04	1
1,3-Dichloropropene, Total	<6.3		6.3	0.83	ug/Kg	☼		04/10/15 12:04	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		04/10/15 12:04	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		04/10/15 12:04	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		04/10/15 12:04	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		04/10/15 12:04	1
methyl isobutyl ketone	<6.3		6.3	1.7	ug/Kg	☼		04/10/15 12:04	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		04/10/15 12:04	1
Styrene	<6.3		6.3	0.83	ug/Kg	☼		04/10/15 12:04	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		04/10/15 12:04	1
Tetrachloroethene	<6.3		6.3	0.97	ug/Kg	☼		04/10/15 12:04	1
Toluene	<6.3		6.3	0.89	ug/Kg	☼		04/10/15 12:04	1
trans-1,2-Dichloroethene	<6.3		6.3	0.87	ug/Kg	☼		04/10/15 12:04	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		04/10/15 12:04	1
1,1,1-Trichloroethane	<6.3		6.3	0.95	ug/Kg	☼		04/10/15 12:04	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		04/10/15 12:04	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/10/15 12:04	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		04/10/15 12:04	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		04/10/15 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*04/10/15 12:04*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*04/10/15 12:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/10/15 12:04*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/10/15 12:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-2(0-2)-040815
Date Collected: 04/08/15 11:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-10
Matrix: Solid
Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2-Methylnaphthalene	<40		40	7.5	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2-Methylphenol	<200		200	65	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
4,6-Dinitro-2-methylphenol	<400		400	330	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Acenaphthylene	<40		40	5.4	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Anthracene	<40		40	6.8	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Benzo[a]anthracene	<40		40	5.5	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Benzo[a]pyrene	<40		40	7.9	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Benzo[b]fluoranthene	<40		40	8.8	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Carbazole	<200		200	100	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Chrysene	<40		40	11	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Dibenzofuran	<200		200	48	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Fluorene	<40		40	5.7	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Hexachloroethane	<200		200	62	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-2(0-2)-040815
Date Collected: 04/08/15 11:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-10
Matrix: Solid
Percent Solids: 79.0

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	<40		40	11	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Isophorone	<200		200	46	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Naphthalene	<40		40	6.2	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Phenanthrene	<40		40	5.7	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Phenol	<200		200	90	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1
Pyrene	<40		40	8.1	ug/Kg	☼	04/13/15 07:17	04/13/15 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*04/13/15 07:17*	*04/13/15 22:44*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*04/13/15 07:17*	*04/13/15 22:44*	*1*
2-Fluorophenol	*57*		*25 - 110*	*04/13/15 07:17*	*04/13/15 22:44*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*04/13/15 07:17*	*04/13/15 22:44*	*1*
Phenol-d5	*58*		*31 - 110*	*04/13/15 07:17*	*04/13/15 22:44*	*1*
Terphenyl-d14	*82*		*36 - 134*	*04/13/15 07:17*	*04/13/15 22:44*	*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		04/13/15 08:40	04/14/15 01:45	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 01:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 01:45	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 01:45	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:45	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:45	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:45	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 01:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 20:09	1
Manganese	**0.81**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:45	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:45	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 01:45	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 01:45	1
Zinc	**0.023**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 01:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.029**	**J**	0.050	0.010	mg/L		04/13/15 09:45	04/14/15 04:58	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 04:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 04:58	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 04:58	1
Chromium	**0.073**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:58	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:58	1
Copper	**0.084**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:58	1
Iron	**75**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 04:58	1
Lead	<0.038		0.038	0.038	mg/L		04/13/15 09:45	04/15/15 12:15	5
Manganese	**0.35**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:58	1
Nickel	**0.086**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 04:58	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 04:58	1

Client Sample ID: R8-2(0-2)-040815
Date Collected: 04/08/15 11:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-10
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		04/13/15 09:45	04/14/15 04:58	1
Zinc	**0.26**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 04:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.27**	**J**	1.2	0.24	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Arsenic	**7.3**		0.59	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Barium	**69**		0.59	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Beryllium	**0.86**		0.24	0.051	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Cadmium	**0.25**		0.12	0.034	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Calcium	**24000**		12	3.8	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Chromium	**24**		0.59	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Cobalt	**12**		0.29	0.067	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Copper	**20**		0.59	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Iron	**23000**		12	4.5	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Lead	**12**		0.29	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Magnesium	**20000**		5.9	2.4	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Manganese	**470**		0.59	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Nickel	**32**		0.59	0.16	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Potassium	**3700**		29	4.8	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Sodium	**2600**		59	7.8	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Thallium	**0.35**	**J**	0.59	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Vanadium	**26**		0.29	0.086	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1
Zinc	**49**	**B**	1.2	0.37	mg/Kg	☼	04/09/15 16:58	04/10/15 15:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 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		04/13/15 12:00	04/14/15 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	**31**		21	7.3	ug/Kg	☼	04/10/15 10:30	04/13/15 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.57**		0.200	0.200	SU			04/09/15 15:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-4(0-5.5)-040815
Date Collected: 04/08/15 13:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-16
Matrix: Solid
Percent Solids: 85.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/10/15 14:38	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/10/15 14:38	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/10/15 14:38	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		04/10/15 14:38	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/10/15 14:38	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/10/15 14:38	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/10/15 14:38	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/10/15 14:38	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/10/15 14:38	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/10/15 14:38	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 14:38	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		04/10/15 14:38	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		04/10/15 14:38	1
Dibromochloromethane	<5.8	*	5.8	1.0	ug/Kg	☼		04/10/15 14:38	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/10/15 14:38	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/10/15 14:38	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/10/15 14:38	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		04/10/15 14:38	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		04/10/15 14:38	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 14:38	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/10/15 14:38	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/10/15 14:38	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/10/15 14:38	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/10/15 14:38	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/10/15 14:38	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		04/10/15 14:38	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 14:38	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/10/15 14:38	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		04/10/15 14:38	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/10/15 14:38	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/10/15 14:38	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/10/15 14:38	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		04/10/15 14:38	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/10/15 14:38	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 14:38	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/10/15 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*04/10/15 14:38*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*04/10/15 14:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*04/10/15 14:38*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/10/15 14:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-4(0-5.5)-040815
Date Collected: 04/08/15 13:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-16
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Anthracene	<36		36	6.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Carbazole	<180		180	94	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Chrysene	<36		36	10	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Fluorene	<36		36	5.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Hexachloroethane	<180		180	56	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: R8-4(0-5.5)-040815
Date Collected: 04/08/15 13:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-16
Matrix: Solid
Percent Solids: 85.6

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	<36		36	9.5	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Isophorone	<180		180	41	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Naphthalene	<36		36	5.6	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Phenanthrene	**17**	**J**	36	5.1	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Phenol	<180		180	81	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1
Pyrene	<36		36	7.3	ug/Kg	☼	04/13/15 07:17	04/14/15 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*04/13/15 07:17*	*04/14/15 00:46*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*04/13/15 07:17*	*04/14/15 00:46*	*1*
2-Fluorophenol	*61*		*25 - 110*	*04/13/15 07:17*	*04/14/15 00:46*	*1*
Nitrobenzene-d5	*66*		*25 - 115*	*04/13/15 07:17*	*04/14/15 00:46*	*1*
Phenol-d5	*64*		*31 - 110*	*04/13/15 07:17*	*04/14/15 00:46*	*1*
Terphenyl-d14	*79*		*36 - 134*	*04/13/15 07:17*	*04/14/15 00:46*	*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		04/13/15 08:40	04/14/15 00:34	1
Barium	**0.17**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 00:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 00:34	1
Cadmium	**0.0043**	**J ^**	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 00:34	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:34	1
Cobalt	**0.067**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:34	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:34	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 00:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 19:15	1
Manganese	**4.9**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:34	1
Nickel	**0.060**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:34	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 00:34	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 00:34	1
Zinc	**0.036**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 00:34	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		04/13/15 09:45	04/14/15 05:36	1
Barium	**0.12**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 05:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 05:36	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 05:36	1
Chromium	**0.050**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:36	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:36	1
Copper	**0.078**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:36	1
Iron	**54**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 05:36	1
Lead	**0.049**		0.0075	0.0075	mg/L		04/13/15 09:45	04/14/15 18:35	1
Manganese	**0.20**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:36	1
Nickel	**0.058**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:36	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 05:36	1

Client Sample ID: R8-4(0-5.5)-040815
Date Collected: 04/08/15 13:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-16
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		04/13/15 09:45	04/14/15 05:36	1
Zinc	**0.23**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 05:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.34**	**J**	1.2	0.24	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Arsenic	**7.0**		0.58	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Barium	**23**		0.58	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Beryllium	**0.53**		0.23	0.050	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Cadmium	**0.30**		0.12	0.034	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Calcium	**45000**		12	3.7	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Chromium	**15**		0.58	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Cobalt	**7.3**		0.29	0.066	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Copper	**26**		0.58	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Iron	**18000**		12	4.5	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Lead	**13**		0.29	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Magnesium	**27000**		5.8	2.4	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Manganese	**350**		0.58	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Nickel	**21**		0.58	0.16	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Potassium	**2900**		29	4.7	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Sodium	**610**		58	7.7	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Thallium	**0.61**		0.58	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Vanadium	**17**		0.29	0.085	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	1
Zinc	**50**	**B**	1.2	0.37	mg/Kg	☼	04/09/15 16:58	04/10/15 16:14	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		04/13/15 12:00	04/14/15 11:38	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		04/13/15 12:00	04/14/15 12:35	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**		18	6.4	ug/Kg	☼	04/10/15 10:30	04/13/15 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.33**		0.200	0.200	SU			04/09/15 15:44	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
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.

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 - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94378 COC

Chain of Custody Record

Report To (optional)	
Contact:	S. Balasubramanian
Company:	Weston
Address:	300 Plaza Circle Ste 202
Address:	Mundelein, IL 60061
Phone:	224-864-7280
Fax:	
E-Mail:	

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

Lab Job #: 500-94378

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: 3.1, 2.7

Client: Weston

Client Project #:

Project Name: IDOT-019

Project Location/State: New Lenox / IL

Lab Project #:

Sampler: T. Walls

Lab PM: D 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	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH					Comments
1		AL-2(0-4)-040815	4-8-15	0925	2	S	X	X	X	X	X					
2		AL-2(0-4)-040815D	↓	0925	↓	↓	↓	↓	↓	↓	↓					
3		AL-4(0-6.5)-040815	↓	0940	↓	↓	↓	↓	↓	↓	↓					
4		AL-6(0-6.5)-040815	↓	1000	↓	↓	↓	↓	↓	↓	↓					
5		AL-7(0-6.5)-040815	↓	1020	↓	↓	↓	↓	↓	↓	↓					
6		AL-8(0-5)-040815	↓	1040	↓	↓	↓	↓	↓	↓	↓					
7		AL-9(0-6.5)-040815	↓	1050	↓	↓	↓	↓	↓	↓	↓					
8		AL-10(0-5)-040815	↓	1110	↓	↓	↓	↓	↓	↓	↓					
9		R8-1(0-2)-040815	↓	1125	↓	↓	↓	↓	↓	↓	↓					
10		R8-2(0-2)-040815	4-8-15	1135	2	S	X	X	X	X	X					

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
Timothy A. Walls	Weston	4-8-15	1505	[signature]	TA	4-8-15	1505
[signature]	TA	4-8-15	1540	Sherri Scott	TA-CHI	4/8/15	1540

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

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
Address: 300 Plaza Circle Ste 202
Address: Naperville, IL 60563
Phone: 224-864-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94378
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: SVOC	SVOC	Total metals	TCLP/SPLP metals	PFT	Comments
11		UR-5(0-2)-040815	4-8-15	1155	2	S		X	X	X	X	X	
12		UR-5(0-2)-040815D		1155									
13		UR-2(0-5)-040815		1225									
14		UR-4(0-5)-040815		1235									
15		RB-3(0-5.5)-040815		1245									
16		RB-4(0-5.5)-040815		1300									
17		RB-5(0-4)-040815		1310									
18		GK-2(0-2)-040815		1325									
19		GK-1(0-2)-040815		1335									
20		W10-1(0-3)-040815	4-8-15	1345	2	S		X	X	X	X	X	

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
Timothy A. Walls	Weston	4-8-15	1505				
		4-8-15	1540		TA-CHI	4/8/15	1540

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:

TAL-4124-500 (1209)

4/16/2015

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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

13156 W. Maple Road (ISGS Site No. 2177V-9)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.548789025 (Decimal Degrees) Longitude: -87.940511265 (-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: FAU 297: US 6 at Parker Road

Latitude: 41.548789025 Longitude: -87.940511265

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 CR-1 AND CR-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2177V-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 ANALYTICAL REPORT - JOB ID: 500-94379-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 June 2015
Date:

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

Summary Table of ISGS Site No. 2177V-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	CR-1(0-5.5)-040815	CR-2(0-5.5)-040815	CR-2(0-5.5)-040815D	**Soil Reference Concentrations[A]**
Sample Date	4/8/2015	4/8/2015	4/8/2015	
Location ID	CR-1	CR-2	CR-2	
Depth	0 - 5.5	0 - 5.5	0 - 5.5	
Lab Sample ID	500-94379-3	500-94379-1	500-94379-2	
ISGS Site No.	2177V-9	2177V-9	2177V-9	
Parameter				
Laboratory pH (s.u.)	8.4	8.17	8.22	<6.25,>9.0
VOCs	**No Detections**			
SVOCs	**No Detections**			
Total Metals (mg/kg)				
Antimony, Total	0.46 J	0.34 J	0.51 J	5
Arsenic, Total	7.1 J	8 J	8.4 J	11.3 / 13.0
Barium, Total	23	21	25	1500
Beryllium, Total	0.49	0.43	0.53	22
Cadmium, Total	0.36 J	0.35 J	0.38 J	5.2
Calcium, Total	43000 J+	37000 J+	41000 J+	---
Chromium, Total	14 J+	12 J+	15 J+	21
Cobalt, Total	8.4 J	10 J	9.5 J	20
Copper, Total	21	21	24	2900
Iron, Total	18000 J+	17000 J+	19000 J+	15000 / 15900
Lead, Total	11 J	13 J	13 J	107
Magnesium, Total	27000 J	22000 J	24000 J	325000
Manganese, Total	410 J	370 J	330 J	630 / 636
Mercury, Total	0.018	0.016 J	0.018 J	0.89
Nickel, Total	21	22	23	100
Potassium, Total	2500 J+	2000 J+	2500 J+	---
Sodium, Total	810 J+	540 J+	660 J+	---
Thallium, Total	0.57	0.53 J	0.59	2.6
Vanadium, Total	15	13	16	550
Zinc, Total	48 J	47 J	52 J	5100
TCLP Metals (mg/l)				
Barium, TCLP	0.2 J	0.2 J	0.2 J	2
Cadmium, TCLP	ND	0.0023 J	0.0023 J	0.005
Manganese, TCLP	0.52	0.47	0.42	0.15
Zinc, TCLP	0.024 J	ND	0.024 J	5
SPLP Metals (mg/l)				
Arsenic, SPLP	0.037 J	ND	ND	0.05
Barium, SPLP	0.22 J	0.1 J	0.11 J	2
Chromium, SPLP	0.078	0.022 J	0.032	0.1
Cobalt, SPLP	0.026	ND	ND	1
Copper, SPLP	0.13	0.03	0.049	0.65
Iron, SPLP	92 J+	17 J	32 J	5
Lead, SPLP	0.05	0.019	0.029	0.0075
Manganese, SPLP	0.32	0.092	0.14	0.15
Nickel, SPLP	0.11	0.02 J	0.037	0.1
Zinc, SPLP	0.45	0.34 J	0.13 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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: 500-94379-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/15/2015 4:24:52 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-2(0-5.5)-040815
Date Collected: 04/08/15 14:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-1
Matrix: Solid
Percent Solids: 85.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/10/15 16:46	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		04/10/15 16:46	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/10/15 16:46	1
Bromoform	<5.9	*	5.9	1.3	ug/Kg	☼		04/10/15 16:46	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/10/15 16:46	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/10/15 16:46	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/10/15 16:46	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		04/10/15 16:46	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/10/15 16:46	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		04/10/15 16:46	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/10/15 16:46	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/10/15 16:46	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/10/15 16:46	1
Dibromochloromethane	<5.9	*	5.9	1.0	ug/Kg	☼		04/10/15 16:46	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/10/15 16:46	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/10/15 16:46	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/10/15 16:46	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/10/15 16:46	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/10/15 16:46	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/10/15 16:46	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/10/15 16:46	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/10/15 16:46	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/10/15 16:46	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/10/15 16:46	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/10/15 16:46	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/10/15 16:46	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/10/15 16:46	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/10/15 16:46	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/10/15 16:46	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/10/15 16:46	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/10/15 16:46	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/10/15 16:46	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/10/15 16:46	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/10/15 16:46	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/10/15 16:46	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/10/15 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*04/10/15 16:46*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*04/10/15 16:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*04/10/15 16:46*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/10/15 16:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-2(0-5.5)-040815
Date Collected: 04/08/15 14:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-1
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2,4-Dinitrophenol	<780	*	780	680	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
4,6-Dinitro-2-methylphenol	<380	*	380	310	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Anthracene	<38		38	6.5	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Carbazole	<190		190	100	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Chrysene	<38		38	11	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-2(0-5.5)-040815
Date Collected: 04/08/15 14:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-1
Matrix: Solid
Percent Solids: 85.3

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	<38		38	10	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Isophorone	<190		190	43	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Phenol	<190		190	86	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1
Pyrene	<38		38	7.7	ug/Kg	☼	04/10/15 15:43	04/14/15 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*35 - 137*	*04/10/15 15:43*	*04/14/15 14:23*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*04/10/15 15:43*	*04/14/15 14:23*	*1*
2-Fluorophenol	*44*		*25 - 110*	*04/10/15 15:43*	*04/14/15 14:23*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*04/10/15 15:43*	*04/14/15 14:23*	*1*
Phenol-d5	*52*		*31 - 110*	*04/10/15 15:43*	*04/14/15 14:23*	*1*
Terphenyl-d14	*71*		*36 - 134*	*04/10/15 15:43*	*04/14/15 14:23*	*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		04/13/15 09:15	04/13/15 18:42	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		04/13/15 09:15	04/13/15 18:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:15	04/13/15 18:42	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		04/13/15 09:15	04/13/15 18:42	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 18:42	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 18:42	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 18:42	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 09:15	04/13/15 18:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 09:15	04/13/15 18:42	1
Manganese	**0.47**		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 18:42	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 18:42	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:15	04/13/15 18:42	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 18:42	1
Zinc	<0.10		0.10	0.020	mg/L		04/13/15 09:15	04/13/15 18:42	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		04/14/15 08:00	04/14/15 22:37	1
Barium	**0.10**	**J**	0.50	0.050	mg/L		04/14/15 08:00	04/14/15 22:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/14/15 08:00	04/14/15 22:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/14/15 08:00	04/14/15 22:37	1
Chromium	**0.022**	**J**	0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:37	1
Cobalt	<0.025		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:37	1
Copper	**0.030**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:37	1
Iron	**17**		0.20	0.20	mg/L		04/14/15 08:00	04/14/15 22:37	1
Lead	**0.019**		0.0075	0.0075	mg/L		04/14/15 08:00	04/14/15 22:37	1
Manganese	**0.092**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:37	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:37	1
Selenium	<0.050		0.050	0.020	mg/L		04/14/15 08:00	04/14/15 22:37	1

Client Sample ID: CR-2(0-5.5)-040815
Date Collected: 04/08/15 14:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-1
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		04/14/15 08:00	04/14/15 22:37	1
Zinc	**0.34**		0.10	0.020	mg/L		04/14/15 08:00	04/14/15 22:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.34**	**J F1**	1.1	0.22	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Arsenic	**8.0**		0.54	0.25	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Barium	**21**		0.54	0.099	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Beryllium	**0.43**		0.22	0.047	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Cadmium	**0.35**		0.11	0.031	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Calcium	**37000**		11	3.5	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Chromium	**12**	**F1**	0.54	0.093	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Cobalt	**10**		0.27	0.061	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Copper	**21**		0.54	0.12	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Iron	**17000**		11	4.2	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Lead	**13**	**F1**	0.27	0.13	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Magnesium	**22000**		5.4	2.2	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Manganese	**370**	**F2**	0.54	0.11	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Nickel	**22**		0.54	0.15	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Potassium	**2000**	**F1**	27	4.4	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Selenium	<0.54	F1	0.54	0.27	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Sodium	**540**	**F1**	54	7.2	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Thallium	**0.53**	**J**	0.54	0.27	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Vanadium	**13**		0.27	0.079	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	1
Zinc	**47**		1.1	0.34	mg/Kg	☼	04/10/15 09:35	04/10/15 17:30	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		04/13/15 12:00	04/14/15 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/14/15 11:30	04/15/15 08:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	18	6.4	ug/Kg	☼	04/10/15 10:30	04/13/15 10:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.17**		0.200	0.200	SU			04/09/15 15:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-2(0-5.5)-040815D
Date Collected: 04/08/15 14:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-2
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	☼		04/10/15 17:11	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/10/15 17:11	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/10/15 17:11	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		04/10/15 17:11	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/10/15 17:11	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/10/15 17:11	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/10/15 17:11	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/10/15 17:11	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/10/15 17:11	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/10/15 17:11	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 17:11	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/10/15 17:11	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/10/15 17:11	1
Dibromochloromethane	<5.8	*	5.8	1.0	ug/Kg	☼		04/10/15 17:11	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/10/15 17:11	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/10/15 17:11	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/10/15 17:11	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/10/15 17:11	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/10/15 17:11	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 17:11	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/10/15 17:11	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/10/15 17:11	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/10/15 17:11	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/10/15 17:11	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/10/15 17:11	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/10/15 17:11	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 17:11	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/10/15 17:11	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/10/15 17:11	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/10/15 17:11	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/10/15 17:11	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/10/15 17:11	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/10/15 17:11	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/10/15 17:11	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/10/15 17:11	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/10/15 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*04/10/15 17:11*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*04/10/15 17:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*04/10/15 17:11*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/10/15 17:11*	*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	☼	04/10/15 15:43	04/14/15 14:47	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-2(0-5.5)-040815D
Date Collected: 04/08/15 14:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-2
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	86	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
4,6-Dinitro-2-methylphenol	<370	*	370	300	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Carbazole	<190		190	97	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Chrysene	<37		37	10	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-2(0-5.5)-040815D
Date Collected: 04/08/15 14:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-2
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	9.7	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Isophorone	<190		190	42	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Phenol	<190		190	83	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1
Pyrene	<37		37	7.4	ug/Kg	☼	04/10/15 15:43	04/14/15 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*35 - 137*	*04/10/15 15:43*	*04/14/15 14:47*	*1*
2-Fluorobiphenyl	*65*		*25 - 119*	*04/10/15 15:43*	*04/14/15 14:47*	*1*
2-Fluorophenol	*57*		*25 - 110*	*04/10/15 15:43*	*04/14/15 14:47*	*1*
Nitrobenzene-d5	*55*		*25 - 115*	*04/10/15 15:43*	*04/14/15 14:47*	*1*
Phenol-d5	*63*		*31 - 110*	*04/10/15 15:43*	*04/14/15 14:47*	*1*
Terphenyl-d14	*75*		*36 - 134*	*04/10/15 15:43*	*04/14/15 14:47*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 09:15	04/13/15 19:11	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		04/13/15 09:15	04/13/15 19:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:15	04/13/15 19:11	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		04/13/15 09:15	04/13/15 19:11	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:11	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:11	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:11	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 09:15	04/13/15 19:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 09:15	04/13/15 19:11	1
Manganese	**0.42**		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:11	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:11	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:15	04/13/15 19:11	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:11	1
Zinc	**0.024**	**J ^**	0.10	0.020	mg/L		04/13/15 09:15	04/13/15 19:11	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		04/14/15 08:00	04/14/15 22:53	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		04/14/15 08:00	04/14/15 22:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/14/15 08:00	04/14/15 22:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/14/15 08:00	04/14/15 22:53	1
Chromium	**0.032**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:53	1
Cobalt	<0.025		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:53	1
Copper	**0.049**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:53	1
Iron	**32**		0.20	0.20	mg/L		04/14/15 08:00	04/14/15 22:53	1
Lead	**0.029**		0.0075	0.0075	mg/L		04/14/15 08:00	04/14/15 22:53	1
Manganese	**0.14**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:53	1
Nickel	**0.037**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:53	1
Selenium	<0.050		0.050	0.020	mg/L		04/14/15 08:00	04/14/15 22:53	1

Client Sample ID: CR-2(0-5.5)-040815D
Date Collected: 04/08/15 14:00
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-2
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		04/14/15 08:00	04/14/15 22:53	1
Zinc	**0.13**		0.10	0.020	mg/L		04/14/15 08:00	04/14/15 22:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.51**	**J**	1.1	0.22	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Arsenic	**8.4**		0.54	0.25	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Barium	**25**		0.54	0.099	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Beryllium	**0.53**		0.22	0.047	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Cadmium	**0.38**		0.11	0.031	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Calcium	**41000**		11	3.5	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Chromium	**15**		0.54	0.093	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Cobalt	**9.5**		0.27	0.061	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Copper	**24**		0.54	0.12	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Iron	**19000**		11	4.2	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Lead	**13**		0.27	0.13	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Magnesium	**24000**		5.4	2.2	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Manganese	**330**		0.54	0.11	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Nickel	**23**		0.54	0.15	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Potassium	**2500**		27	4.4	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Sodium	**660**		54	7.1	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Thallium	**0.59**		0.54	0.27	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Vanadium	**16**		0.27	0.079	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	1
Zinc	**52**		1.1	0.34	mg/Kg	☼	04/10/15 09:35	04/10/15 18:01	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		04/13/15 12:00	04/14/15 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/14/15 11:30	04/15/15 08:15	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	**18**	**J**	19	6.6	ug/Kg	☼	04/10/15 10:30	04/13/15 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.22**		0.200	0.200	SU			04/09/15 15:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-1(0-5.5)-040815
Date Collected: 04/08/15 14:15
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-3
Matrix: Solid
Percent Solids: 89.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	☼		04/10/15 17:36	1
Benzene	<5.6		5.6	0.77	ug/Kg	☼		04/10/15 17:36	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	☼		04/10/15 17:36	1
Bromoform	<5.6	*	5.6	1.3	ug/Kg	☼		04/10/15 17:36	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		04/10/15 17:36	1
Carbon disulfide	<5.6		5.6	0.84	ug/Kg	☼		04/10/15 17:36	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		04/10/15 17:36	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		04/10/15 17:36	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		04/10/15 17:36	1
Chloroform	<5.6		5.6	0.64	ug/Kg	☼		04/10/15 17:36	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		04/10/15 17:36	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		04/10/15 17:36	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	☼		04/10/15 17:36	1
Dibromochloromethane	<5.6	*	5.6	0.97	ug/Kg	☼		04/10/15 17:36	1
1,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg	☼		04/10/15 17:36	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		04/10/15 17:36	1
1,1-Dichloroethene	<5.6		5.6	0.91	ug/Kg	☼		04/10/15 17:36	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		04/10/15 17:36	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	☼		04/10/15 17:36	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		04/10/15 17:36	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		04/10/15 17:36	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		04/10/15 17:36	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		04/10/15 17:36	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		04/10/15 17:36	1
Methyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg	☼		04/10/15 17:36	1
Styrene	<5.6		5.6	0.73	ug/Kg	☼		04/10/15 17:36	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		04/10/15 17:36	1
Tetrachloroethene	<5.6		5.6	0.86	ug/Kg	☼		04/10/15 17:36	1
Toluene	<5.6		5.6	0.78	ug/Kg	☼		04/10/15 17:36	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		04/10/15 17:36	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		04/10/15 17:36	1
1,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg	☼		04/10/15 17:36	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	☼		04/10/15 17:36	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	☼		04/10/15 17:36	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		04/10/15 17:36	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		04/10/15 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*04/10/15 17:36*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*04/10/15 17:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*04/10/15 17:36*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/10/15 17:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-1(0-5.5)-040815
Date Collected: 04/08/15 14:15
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-3
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2-Methylphenol	<180		180	57	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
4,6-Dinitro-2-methylphenol	<350	*	350	290	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Anthracene	<35		35	6.0	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Benzo[b]fluoranthene	<35		35	7.7	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Carbazole	<180		180	92	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Chrysene	<35		35	9.7	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Dibenzofuran	<180		180	42	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Fluorene	<35		35	5.0	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Hexachloroethane	<180		180	54	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

Client Sample ID: CR-1(0-5.5)-040815
Date Collected: 04/08/15 14:15
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-3
Matrix: Solid
Percent Solids: 89.3

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	<35		35	9.2	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Isophorone	<180		180	40	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Naphthalene	<35		35	5.5	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Phenanthrene	<35		35	5.0	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Phenol	<180		180	79	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1
Pyrene	<35		35	7.1	ug/Kg	☼	04/10/15 15:43	04/14/15 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*35 - 137*	*04/10/15 15:43*	*04/14/15 15:11*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*04/10/15 15:43*	*04/14/15 15:11*	*1*
2-Fluorophenol	*53*		*25 - 110*	*04/10/15 15:43*	*04/14/15 15:11*	*1*
Nitrobenzene-d5	*49*		*25 - 115*	*04/10/15 15:43*	*04/14/15 15:11*	*1*
Phenol-d5	*56*		*31 - 110*	*04/10/15 15:43*	*04/14/15 15:11*	*1*
Terphenyl-d14	*75*		*36 - 134*	*04/10/15 15:43*	*04/14/15 15:11*	*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		04/13/15 09:15	04/13/15 19:16	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		04/13/15 09:15	04/13/15 19:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 09:15	04/13/15 19:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/13/15 09:15	04/13/15 19:16	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:16	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:16	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:16	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 09:15	04/13/15 19:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 09:15	04/13/15 19:16	1
Manganese	**0.52**		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:16	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:16	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:15	04/13/15 19:16	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 09:15	04/13/15 19:16	1
Zinc	**0.024**	**J ^**	0.10	0.020	mg/L		04/13/15 09:15	04/13/15 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.037**	**J**	0.050	0.010	mg/L		04/14/15 08:00	04/14/15 22:57	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		04/14/15 08:00	04/14/15 22:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/14/15 08:00	04/14/15 22:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/14/15 08:00	04/14/15 22:57	1
Chromium	**0.078**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:57	1
Cobalt	**0.026**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:57	1
Copper	**0.13**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:57	1
Iron	**92**		0.20	0.20	mg/L		04/14/15 08:00	04/14/15 22:57	1
Lead	**0.050**		0.038	0.038	mg/L		04/14/15 08:00	04/15/15 12:52	5
Manganese	**0.32**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:57	1
Nickel	**0.11**		0.025	0.010	mg/L		04/14/15 08:00	04/14/15 22:57	1
Selenium	<0.050		0.050	0.020	mg/L		04/14/15 08:00	04/14/15 22:57	1

Client Sample ID: CR-1(0-5.5)-040815
Date Collected: 04/08/15 14:15
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94379-3
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		04/14/15 08:00	04/14/15 22:57	1
Zinc	**0.45**		0.10	0.020	mg/L		04/14/15 08:00	04/14/15 22:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.46**	**J**	1.0	0.22	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Arsenic	**7.1**		0.52	0.24	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Barium	**23**		0.52	0.096	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Beryllium	**0.49**		0.21	0.045	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Cadmium	**0.36**		0.10	0.030	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Calcium	**43000**		10	3.4	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Chromium	**14**		0.52	0.090	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Cobalt	**8.4**		0.26	0.059	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Copper	**21**		0.52	0.11	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Iron	**18000**		10	4.0	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Lead	**11**		0.26	0.13	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Magnesium	**27000**		5.2	2.1	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Manganese	**410**		0.52	0.10	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Nickel	**21**		0.52	0.14	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Potassium	**2500**		26	4.3	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Sodium	**810**		52	6.9	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Thallium	**0.57**		0.52	0.26	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Vanadium	**15**		0.26	0.077	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	1
Zinc	**48**		1.0	0.33	mg/Kg	☼	04/10/15 09:35	04/10/15 18:07	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		04/13/15 12:00	04/14/15 09:22	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		04/14/15 11:30	04/15/15 08:17	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	**18**		18	6.2	ug/Kg	☼	04/10/15 10:30	04/13/15 10:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.40**		0.200	0.200	SU			04/09/15 15:56	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94379-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94379 COC

Chain of Custody Record

Lab Job #: 500-94379

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: 3.1, 2.7

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramanian	Contact:	
Company:	Weston	Company:	
Address:	300 Plaza Circle Ste 202	Address:	
Address:	Naperville, IL 60540	Address:	
Phone:	224-864-7250	Phone:	same
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative
Weston		
Project Name: IDOT-019		Parameter
Project Location/State: New Lenox / IL	Lab Project #	
Sampler: T. Walls	Lab PM: D. Wright	

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. $NaHSO_4$
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
1		CR-2(0-5.5)-040815	4-8-15	1400	2	S	X	X	X	X	X	
2		CR-2(0-5.5)-040815D		1400								
3		CR-1(0-5.5)-040815		1415								
4		UR-3(0-5)-040815		1430								
5		UR-1(0-5)-040815		1445								
6		WS-1(0-3)-040815	4-8-15	1505	2	S	X	X	X	X	X	

T. Walls 4-8-15

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
T. Walls	Weston	4-8-15	1505		TAL	4-8-15	1505
		4-8-15	1540	Sherri Scott	TAL-CHI	4/8/15	1540
		Date	Time	Received By	Company	Date	Time

Lab Courier: TAL
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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

13100 Block of W. Maple Road (ISGS Site No. 2177V-10)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.548802733 (Decimal Degrees) Longitude: -87.939621240 (-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: FAU 297: US 6 at Parker Road

Latitude: 41.548802733 Longitude: -87.939621240

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 W10-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2177V-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 ANALYTICAL REPORT - JOB ID: 500-94378-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 June 2015
Date:

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

Summary Table of ISGS Site No. 2177V-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	W10-1(0-3)-040815	**Soil Reference Concentrations[A]**
Sample Date	4/8/2015	
Location ID	W10-1	
Depth	0 - 3	
Lab Sample ID	500-94378-20	
ISGS Site No.	2177V-10	
Parameter		
Laboratory pH (s.u.)	8.48	<6.25,>9.0
VOCs		
SVOCs (ug/kg)		
Acenaphthene	9.5 J	570000
Acenaphthylene	99	---
Anthracene	71	1.20E+07
Benzo(a)anthracene	480	900 / 1100 / 1800
Benzo(a)pyrene	470	90 / 1300 / 2100
Benzo(b)fluoranthene	600	900 / 1500 / 2100
Benzo(g,h,i)perylene	340	---
Benzo(k)fluoranthene	260	9000
Chrysene	510	88000
Dibenzo(a,h)anthracene	77	90 / 200 / 420
Di-N-Butyl phthalate	68 J	2300000
Fluoranthene	910	3100000
Indeno(1,2,3-cd)pyrene	300	900 / 900 / 1600
Phenanthrene	210	---
Pyrene	790	2300000
Total Metals (mg/kg)		
Antimony, Total	0.41 J	5
Arsenic, Total	7.8 J	11.3 / 13.0
Barium, Total	80 J+	1500
Beryllium, Total	0.72	22
Cadmium, Total	0.3 J-	5.2
Calcium, Total	17000 J-	---
Chromium, Total	17 J+	21
Cobalt, Total	9.6 J-	20
Copper, Total	19	2900
Iron, Total	19000 J+	15000 / 15900
Lead, Total	56	107
Magnesium, Total	12000 J-	325000
Manganese, Total	650 J	630 / 636
Mercury, Total	0.026	0.89
Nickel, Total	19	100
Potassium, Total	2000 J+	---
Sodium, Total	2300 J+	---
Thallium, Total	0.77	2.6
Vanadium, Total	25	550
Zinc, Total	59 B	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.36 J	2
Manganese, TCLP	0.093	0.15
Zinc, TCLP	0.023 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.047 J	0.05
Barium, SPLP	0.41 J	2
Beryllium, SPLP	0.0049	0.004
Chromium, SPLP	0.11	0.1
Cobalt, SPLP	0.028	1
Copper, SPLP	0.12	0.65
Iron, SPLP	120 J-	5
Lead, SPLP	0.2	0.0075
Manganese, SPLP	0.74	0.15
Nickel, SPLP	0.11	0.1
Zinc, SPLP	0.37	5

Summary Table of ISGS Site No. 2177V-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Notes:

--- - not applicable or value not available.

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

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94378-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/16/2015 11:37:24 AM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: W10-1(0-3)-040815
Date Collected: 04/08/15 13:45
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-20
Matrix: Solid
Percent Solids: 80.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		04/10/15 16:21	1
Benzene	<6.2		6.2	0.86	ug/Kg	☼		04/10/15 16:21	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/10/15 16:21	1
Bromoform	<6.2	*	6.2	1.4	ug/Kg	☼		04/10/15 16:21	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/10/15 16:21	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		04/10/15 16:21	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/10/15 16:21	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/10/15 16:21	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/10/15 16:21	1
Chloroform	<6.2		6.2	0.72	ug/Kg	☼		04/10/15 16:21	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/10/15 16:21	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		04/10/15 16:21	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		04/10/15 16:21	1
Dibromochloromethane	<6.2	*	6.2	1.1	ug/Kg	☼		04/10/15 16:21	1
1,1-Dichloroethane	<6.2		6.2	0.99	ug/Kg	☼		04/10/15 16:21	1
1,2-Dichloroethane	<6.2		6.2	0.93	ug/Kg	☼		04/10/15 16:21	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/10/15 16:21	1
1,2-Dichloropropane	<6.2		6.2	0.95	ug/Kg	☼		04/10/15 16:21	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		04/10/15 16:21	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		04/10/15 16:21	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/10/15 16:21	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/10/15 16:21	1
Methyl Ethyl Ketone	<6.2		6.2	2.3	ug/Kg	☼		04/10/15 16:21	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/10/15 16:21	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/10/15 16:21	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		04/10/15 16:21	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/10/15 16:21	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		04/10/15 16:21	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		04/10/15 16:21	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	☼		04/10/15 16:21	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/10/15 16:21	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		04/10/15 16:21	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		04/10/15 16:21	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/10/15 16:21	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/10/15 16:21	1
Xylenes, Total	<12		12	0.57	ug/Kg	☼		04/10/15 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*04/10/15 16:21*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*04/10/15 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*04/10/15 16:21*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/10/15 16:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: W10-1(0-3)-040815
Date Collected: 04/08/15 13:45
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-20
Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	91	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2,4-Dinitrophenol	<800	*	800	700	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
4,6-Dinitro-2-methylphenol	<390	*	390	320	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Acenaphthene	**9.5**	**J**	39	7.1	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Acenaphthylene	**99**		39	5.2	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Anthracene	**71**		39	6.6	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Benzo[a]anthracene	**480**		39	5.3	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Benzo[a]pyrene	**470**		39	7.7	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Benzo[b]fluoranthene	**600**		39	8.6	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Benzo[g,h,i]perylene	**340**		39	13	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Benzo[k]fluoranthene	**260**		39	12	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Carbazole	<200		200	100	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Chrysene	**510**		39	11	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Dibenz(a,h)anthracene	**77**		39	7.7	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Di-n-butyl phthalate	**68**	**J**	200	60	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Fluoranthene	**910**		39	7.4	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: W10-1(0-3)-040815
Date Collected: 04/08/15 13:45
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-20
Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**300**		39	10	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Isophorone	<200		200	45	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Phenanthrene	**210**		39	5.5	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Phenol	<200		200	88	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1
Pyrene	**790**		39	7.9	ug/Kg	☼	04/10/15 15:43	04/14/15 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 137*	*04/10/15 15:43*	*04/14/15 13:59*	*1*
2-Fluorobiphenyl	*43*		*25 - 119*	*04/10/15 15:43*	*04/14/15 13:59*	*1*
2-Fluorophenol	*35*		*25 - 110*	*04/10/15 15:43*	*04/14/15 13:59*	*1*
Nitrobenzene-d5	*33*		*25 - 115*	*04/10/15 15:43*	*04/14/15 13:59*	*1*
Phenol-d5	*43*		*31 - 110*	*04/10/15 15:43*	*04/14/15 13:59*	*1*
Terphenyl-d14	*65*		*36 - 134*	*04/10/15 15:43*	*04/14/15 13:59*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 08:40	04/14/15 02:50	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 02:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 02:50	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 02:50	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:50	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:50	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:50	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 02:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 20:49	1
Manganese	**0.093**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:50	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:50	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 02:50	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:50	1
Zinc	**0.023**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.047**	**J**	0.050	0.010	mg/L		04/13/15 09:45	04/14/15 06:16	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 06:16	1
Beryllium	**0.0049**		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 06:16	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 06:16	1
Chromium	**0.11**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 06:16	1
Cobalt	**0.028**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 06:16	1
Copper	**0.12**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 06:16	1
Iron	**120**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 06:16	1
Lead	**0.20**		0.038	0.038	mg/L		04/13/15 09:45	04/15/15 12:48	5
Manganese	**0.74**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 06:16	1
Nickel	**0.11**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 06:16	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 06:16	1

Client Sample ID: W10-1(0-3)-040815
Date Collected: 04/08/15 13:45
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-20
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		04/13/15 09:45	04/14/15 06:16	1
Zinc	**0.37**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 06:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.41**	**J**	1.2	0.24	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Arsenic	**7.8**		0.58	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Barium	**80**		0.58	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Beryllium	**0.72**		0.23	0.050	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Cadmium	**0.30**		0.12	0.034	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Calcium	**17000**		12	3.7	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Chromium	**17**		0.58	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Cobalt	**9.6**		0.29	0.066	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Copper	**19**		0.58	0.13	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Iron	**19000**		12	4.5	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Lead	**56**		0.29	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Magnesium	**12000**		5.8	2.4	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Manganese	**650**		0.58	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Nickel	**19**		0.58	0.16	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Potassium	**2000**		29	4.7	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Sodium	**2300**		58	7.7	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Thallium	**0.77**		0.58	0.29	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Vanadium	**25**		0.29	0.085	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1
Zinc	**59**	**B**	1.2	0.37	mg/Kg	☼	04/09/15 16:58	04/10/15 16:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 11:46	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		04/13/15 12:00	04/14/15 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		19	6.8	ug/Kg	☼	04/10/15 10:30	04/13/15 10:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.48**		0.200	0.200	SU			04/09/15 15:51	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
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.

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 - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

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 60...
Phone: 708.534.5200 Fax: 708.534...

500-94378 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle Ste 202
Address: Mundelein, IL 60061
Phone: 224-864-7280
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94378
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3,1,2,7

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D 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	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH					Comments
1		AL-2(0-4)-040815	4-8-15	0925	2	S	X	X	X	X	X					
2		AL-2(0-4)-040815D	↓	0925	↓	↓	↓	↓	↓	↓	↓					
3		AL-4(0-6.5)-040815	↓	0940	↓	↓	↓	↓	↓	↓	↓					
4		AL-6(0-6.5)-040815	↓	1000	↓	↓	↓	↓	↓	↓	↓					
5		AL-7(0-6.5)-040815	↓	1020	↓	↓	↓	↓	↓	↓	↓					
6		AL-8(0-5)-040815	↓	1040	↓	↓	↓	↓	↓	↓	↓					
7		AL-9(0-6.5)-040815	↓	1050	↓	↓	↓	↓	↓	↓	↓					
8		AL-10(0-5)-040815	↓	1110	↓	↓	↓	↓	↓	↓	↓					
9		R8-1(0-2)-040815	↓	1125	↓	↓	↓	↓	↓	↓	↓					
10		R8-2(0-2)-040815	4-8-15	1135	2	S	X	X	X	X	X					

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 [X] 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
Timothy A. Walls	Weston	4-8-15	1505	[signature]	TA	4-8-15	1505
[signature]	TA	4-8-15	1540	Sherri Scott	TA-CHI	4/8/15	1540

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:

TAL-4124-500 (1209)

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
Address: 300 Plaza Circle Ste 202
Address: Naperville, IL 60563
Phone: 224-864-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94378
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: SVOC	SVOC	Total metals	TCLP/SPLP metals	PFT	Comments
11		UR-5(0-2)-040815	4-8-15	1155	2	S		X	X	X	X	X	
12		UR-5(0-2)-040815D		1155									
13		UR-2(0-5)-040815		1225									
14		UR-4(0-5)-040815		1235									
15		RB-3(0-5.5)-040815		1245									
16		RB-4(0-5.5)-040815		1300									
17		RB-5(0-4)-040815		1310									
18		GK-2(0-2)-040815		1325									
19		GK-1(0-2)-040815		1335									
20		W10-1(0-3)-040815	4-8-15	1345	2	S		X	X	X	X	X	

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
Timothy A. Walls	Weston	4-8-15	1505				
		4-8-15	1540		TA-CHI	4/8/15	1540

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:

TAL-4124-500 (1209)

4/16/2015

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: FAU 297: US 6 at Parker Road Office Phone Number, if available: _____

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

13204 W. Maple Road (ISGS Site No. 2177V-11)

City: Unincorp. New Lenox State: IL Zip Code: _____

County: Will Township: New Lenox

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

Latitude: 41.548799179 (Decimal Degrees) Longitude: -87.938776354 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAU 297: US 6 at Parker Road

Latitude: 41.548799179 Longitude: -87.938776354

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 GK-1 AND GK-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2177V-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 ANALYTICAL REPORT - JOB ID: 500-94378-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: 224-864-7267

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 June 2015
Date:

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

Summary Table of ISGS Site No. 2177V-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 297 (US 6): At Parker Road
Unincorporated New Lenox, Will County, Illinois

Field Sample ID	GK-1(0-2)-040815	GK-2(0-2)-040815	**Soil Reference Concentrations[A]**
Sample Date	4/8/2015	4/8/2015	
Location ID	GK-1	GK-2	
Depth	0 - 2	0 - 2	
Lab Sample ID	500-94378-19	500-94378-18	
ISGS Site No.	2177V-11	2177V-11	
Parameter			
Laboratory pH (s.u.)	8.9	8.17	<6.25,>9.0
VOCs	**No Detections**		
SVOCs	**No Detections**		
Total Metals (mg/kg)			
Antimony, Total	0.36 J	0.28 J	5
Arsenic, Total	9.4 J	9.5 J	11.3 / 13.0
Barium, Total	53 J+	55 J+	1500
Beryllium, Total	0.66	0.63	22
Cadmium, Total	0.29 J-	0.28 J-	5.2
Calcium, Total	26000 J-	28000 J-	---
Chromium, Total	18 J+	17 J+	21
Cobalt, Total	9.1 J-	11 J-	20
Copper, Total	26	27	2900
Iron, Total	22000 J+	22000 J+	15000 / 15900
Lead, Total	18	17	107
Magnesium, Total	19000 J-	18000 J-	325000
Manganese, Total	370 J	460 J	630 / 636
Mercury, Total	0.023	0.022	0.89
Nickel, Total	25	26	100
Potassium, Total	2500 J+	2500 J+	---
Selenium, Total	ND	ND	1.3
Sodium, Total	1500 J+	1800 J+	---
Thallium, Total	0.53 J	0.84	2.6
Vanadium, Total	22	21	550
Zinc, Total	51 B	55 B	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.31 J	0.31 J	2
Manganese, TCLP	0.49	2.6	0.15
Nickel, TCLP	ND	0.012 J	0.1
Zinc, TCLP	0.096 J	0.026 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.059	0.086	0.05
Barium, SPLP	0.32 J	0.43 J	2
Beryllium, SPLP	0.0048	0.0068	0.004
Chromium, SPLP	0.1	0.15	0.1
Cobalt, SPLP	0.039	0.057	1
Copper, SPLP	0.16	0.23	0.65
Iron, SPLP	130 J-	180 J-	5
Lead, SPLP	0.08	0.18	0.0075
Manganese, SPLP	0.67	1.2	0.15
Mercury, SPLP	ND	0.0002	0.002
Nickel, SPLP	0.14	0.21	0.1
Zinc, SPLP	0.37	0.64	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.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-94378-1
Client Project/Site: IDOT - New Lenox - WO 019

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/16/2015 11:37:24 AM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: GK-2(0-2)-040815
Date Collected: 04/08/15 13:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-18
Matrix: Solid
Percent Solids: 83.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	27		6.0	2.6	ug/Kg	☼		04/10/15 15:29	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/10/15 15:29	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/10/15 15:29	1
Bromoform	<6.0	*	6.0	1.4	ug/Kg	☼		04/10/15 15:29	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/10/15 15:29	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/10/15 15:29	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/10/15 15:29	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/10/15 15:29	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 15:29	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/10/15 15:29	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/10/15 15:29	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/10/15 15:29	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 15:29	1
Dibromochloromethane	<6.0	*	6.0	1.0	ug/Kg	☼		04/10/15 15:29	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/10/15 15:29	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/10/15 15:29	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/10/15 15:29	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/10/15 15:29	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 15:29	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/10/15 15:29	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/10/15 15:29	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 15:29	1
Methyl Ethyl Ketone	5.2	J	6.0	2.2	ug/Kg	☼		04/10/15 15:29	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/10/15 15:29	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/10/15 15:29	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/10/15 15:29	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/10/15 15:29	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/10/15 15:29	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/10/15 15:29	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/10/15 15:29	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/10/15 15:29	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/10/15 15:29	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/10/15 15:29	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/10/15 15:29	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/10/15 15:29	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/10/15 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*04/10/15 15:29*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/10/15 15:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/10/15 15:29*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/10/15 15:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200	F1	200	42	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
1,2-Dichlorobenzene	<200	F1	200	47	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
1,3-Dichlorobenzene	<200	F1	200	44	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
1,4-Dichlorobenzene	<200	F1	200	50	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: GK-2(0-2)-040815
Date Collected: 04/08/15 13:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-18
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2,4-Dichlorophenol	<390	F1	390	93	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2,4-Dimethylphenol	<390	F1	390	150	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2,4-Dinitrophenol	<790	*	790	690	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2-Methylnaphthalene	<39	F1	39	7.2	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
4,6-Dinitro-2-methylphenol	<390	*	390	310	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
4-Chloro-3-methylphenol	<390	F1	390	130	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Bis(2-chloroethoxy)methane	<200	F1	200	40	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Carbazole	<200		200	100	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Chrysene	<39		39	11	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Hexachlorobutadiene	<200	F1	200	62	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Hexachlorocyclopentadiene	<790	F1	790	230	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Hexachloroethane	<200	F1	200	60	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: GK-2(0-2)-040815
Date Collected: 04/08/15 13:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-18
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Isophorone	<200		200	44	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Naphthalene	<39	F1	39	6.0	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Nitrobenzene	<39	F1	39	9.8	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Pentachlorophenol	<790	F2	790	630	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Phenol	<200		200	87	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1
Pyrene	<39		39	7.8	ug/Kg	☼	04/10/15 15:43	04/14/15 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*41*		*35 - 137*	*04/10/15 15:43*	*04/14/15 13:11*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*04/10/15 15:43*	*04/14/15 13:11*	*1*
2-Fluorophenol	*50*		*25 - 110*	*04/10/15 15:43*	*04/14/15 13:11*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*04/10/15 15:43*	*04/14/15 13:11*	*1*
Phenol-d5	*58*		*31 - 110*	*04/10/15 15:43*	*04/14/15 13:11*	*1*
Terphenyl-d14	*72*		*36 - 134*	*04/10/15 15:43*	*04/14/15 13:11*	*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		04/13/15 08:40	04/14/15 02:38	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 02:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 02:38	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 02:38	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:38	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:38	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:38	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 02:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 20:39	1
Manganese	**2.6**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:38	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:38	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 02:38	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:38	1
Zinc	**0.026**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 02:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.086**		0.050	0.010	mg/L		04/13/15 09:45	04/14/15 05:49	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 05:49	1
Beryllium	**0.0068**		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 05:49	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 05:49	1
Chromium	**0.15**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:49	1
Cobalt	**0.057**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:49	1
Copper	**0.23**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:49	1
Iron	**180**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 05:49	1
Lead	**0.18**		0.038	0.038	mg/L		04/13/15 09:45	04/15/15 12:40	5
Manganese	**1.2**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:49	1
Nickel	**0.21**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:49	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 05:49	1

Client Sample ID: GK-2(0-2)-040815
Date Collected: 04/08/15 13:25
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-18
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		04/13/15 09:45	04/14/15 05:49	1
Zinc	**0.64**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 05:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.28**	**J**	1.1	0.24	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Arsenic	**9.5**		0.57	0.26	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Barium	**55**		0.57	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Beryllium	**0.63**		0.23	0.049	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Cadmium	**0.28**		0.11	0.033	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Calcium	**28000**		11	3.7	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Chromium	**17**		0.57	0.098	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Cobalt	**11**		0.29	0.065	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Copper	**27**		0.57	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Iron	**22000**		11	4.4	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Lead	**17**		0.29	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Magnesium	**18000**		5.7	2.3	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Manganese	**460**		0.57	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Nickel	**26**		0.57	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Potassium	**2500**		29	4.7	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Sodium	**1800**		57	7.5	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Thallium	**0.84**		0.57	0.28	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Vanadium	**21**		0.29	0.083	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	1
Zinc	**55**	**B**	1.1	0.36	mg/Kg	☼	04/09/15 16:58	04/10/15 16:27	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		04/13/15 12:00	04/14/15 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 12:39	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	**22**		20	7.0	ug/Kg	☼	04/10/15 10:30	04/13/15 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.17**		0.200	0.200	SU			04/09/15 15:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: GK-1(0-2)-040815
Date Collected: 04/08/15 13:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-19
Matrix: Solid
Percent Solids: 85.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/10/15 15:55	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		04/10/15 15:55	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/10/15 15:55	1
Bromoform	<5.9	*	5.9	1.4	ug/Kg	☼		04/10/15 15:55	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/10/15 15:55	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/10/15 15:55	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/10/15 15:55	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/10/15 15:55	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/10/15 15:55	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/10/15 15:55	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/10/15 15:55	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/10/15 15:55	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/10/15 15:55	1
Dibromochloromethane	<5.9	*	5.9	1.0	ug/Kg	☼		04/10/15 15:55	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/10/15 15:55	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/10/15 15:55	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/10/15 15:55	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/10/15 15:55	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/10/15 15:55	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/10/15 15:55	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/10/15 15:55	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/10/15 15:55	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/10/15 15:55	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/10/15 15:55	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/10/15 15:55	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/10/15 15:55	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/10/15 15:55	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/10/15 15:55	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/10/15 15:55	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/10/15 15:55	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/10/15 15:55	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/10/15 15:55	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/10/15 15:55	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/10/15 15:55	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/10/15 15:55	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/10/15 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*04/10/15 15:55*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/10/15 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*04/10/15 15:55*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/10/15 15:55*	*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	☼	04/10/15 15:43	04/14/15 13:35	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: GK-1(0-2)-040815
Date Collected: 04/08/15 13:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-19
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
4,6-Dinitro-2-methylphenol	<370	*	370	300	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Carbazole	<190		190	97	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Chrysene	<37		37	10	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

Client Sample ID: GK-1(0-2)-040815
Date Collected: 04/08/15 13:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-19
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Isophorone	<190		190	42	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Phenol	<190		190	83	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1
Pyrene	<37		37	7.5	ug/Kg	☼	04/10/15 15:43	04/14/15 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*37*		*35 - 137*	*04/10/15 15:43*	*04/14/15 13:35*	*1*
2-Fluorobiphenyl	*48*		*25 - 119*	*04/10/15 15:43*	*04/14/15 13:35*	*1*
2-Fluorophenol	*42*		*25 - 110*	*04/10/15 15:43*	*04/14/15 13:35*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*04/10/15 15:43*	*04/14/15 13:35*	*1*
Phenol-d5	*48*		*31 - 110*	*04/10/15 15:43*	*04/14/15 13:35*	*1*
Terphenyl-d14	*64*		*36 - 134*	*04/10/15 15:43*	*04/14/15 13:35*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/13/15 08:40	04/14/15 02:44	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		04/13/15 08:40	04/14/15 02:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/13/15 08:40	04/14/15 02:44	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 08:40	04/14/15 02:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:44	1
Copper	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:44	1
Iron	<0.20		0.20	0.20	mg/L		04/13/15 08:40	04/14/15 02:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/13/15 08:40	04/14/15 20:44	1
Manganese	**0.49**		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:44	1
Nickel	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 08:40	04/14/15 02:44	1
Silver	<0.025		0.025	0.010	mg/L		04/13/15 08:40	04/14/15 02:44	1
Zinc	**0.096**	**J**	0.10	0.020	mg/L		04/13/15 08:40	04/14/15 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.059**		0.050	0.010	mg/L		04/13/15 09:45	04/14/15 05:55	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		04/13/15 09:45	04/14/15 05:55	1
Beryllium	**0.0048**		0.0040	0.0040	mg/L		04/13/15 09:45	04/14/15 05:55	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		04/13/15 09:45	04/14/15 05:55	1
Chromium	**0.10**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:55	1
Cobalt	**0.039**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:55	1
Copper	**0.16**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:55	1
Iron	**130**		0.20	0.20	mg/L		04/13/15 09:45	04/14/15 05:55	1
Lead	**0.080**		0.038	0.038	mg/L		04/13/15 09:45	04/15/15 12:44	5
Manganese	**0.67**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:55	1
Nickel	**0.14**		0.025	0.010	mg/L		04/13/15 09:45	04/14/15 05:55	1
Selenium	<0.050		0.050	0.020	mg/L		04/13/15 09:45	04/14/15 05:55	1

Client Sample ID: GK-1(0-2)-040815
Date Collected: 04/08/15 13:35
Date Received: 04/08/15 15:40

Lab Sample ID: 500-94378-19
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		04/13/15 09:45	04/14/15 05:55	1
Zinc	**0.37**		0.10	0.020	mg/L		04/13/15 09:45	04/14/15 05:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.36**	**J**	1.1	0.23	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Arsenic	**9.4**		0.55	0.25	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Barium	**53**		0.55	0.10	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Beryllium	**0.66**		0.22	0.048	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Cadmium	**0.29**		0.11	0.032	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Calcium	**26000**		11	3.5	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Chromium	**18**		0.55	0.095	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Cobalt	**9.1**		0.28	0.062	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Copper	**26**		0.55	0.12	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Iron	**22000**		11	4.2	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Lead	**18**		0.28	0.14	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Magnesium	**19000**		5.5	2.2	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Manganese	**370**		0.55	0.11	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Nickel	**25**		0.55	0.15	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Potassium	**2500**		28	4.5	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Sodium	**1500**		55	7.3	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Thallium	**0.53**	**J**	0.55	0.27	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Vanadium	**22**		0.28	0.080	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1
Zinc	**51**	**B**	1.1	0.35	mg/Kg	☼	04/09/15 16:58	04/10/15 16:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/13/15 12:00	04/14/15 11:44	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		04/13/15 12:00	04/14/15 12:45	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**		17	6.0	ug/Kg	☼	04/10/15 10:30	04/13/15 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.90**		0.200	0.200	SU			04/09/15 15:49	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
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.

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 - New Lenox - WO 019

TestAmerica Job ID: 500-94378-1

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 60
Phone: 708.534.5200 Fax: 708.534

500-94378 COC

Chain of Custody Record

Report To (optional)
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle Ste 202
Address: Mundelein, IL 60061
Phone: 224-864-7280
Fax:
E-Mail:

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

Lab Job #: 500-94378
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.1, 2.7

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D 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	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH					Comments
1		AL-2(0-4)-040815	4-8-15	0925	2	S	X	X	X	X	X					
2		AL-2(0-4)-040815D	↓	0925	↓	↓	↓	↓	↓	↓	↓					
3		AL-4(0-6.5)-040815	↓	0940	↓	↓	↓	↓	↓	↓	↓					
4		AL-6(0-6.5)-040815	↓	1000	↓	↓	↓	↓	↓	↓	↓					
5		AL-7(0-6.5)-040815	↓	1020	↓	↓	↓	↓	↓	↓	↓					
6		AL-8(0-5)-040815	↓	1040	↓	↓	↓	↓	↓	↓	↓					
7		AL-9(0-6.5)-040815	↓	1050	↓	↓	↓	↓	↓	↓	↓					
8		AL-10(0-5)-040815	↓	1110	↓	↓	↓	↓	↓	↓	↓					
9		R8-1(0-2)-040815	↓	1125	↓	↓	↓	↓	↓	↓	↓					
10		R8-2(0-2)-040815	4-8-15	1135	2	S	X	X	X	X	X					

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
Timothy A. Walls	Weston	4-8-15	1505	[signature]	TAL	4-8-15	1505
[signature]	TAL	4-8-15	1540	Sherri Scott	TA-Chi	4/8/15	1540

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:

TAL-4124-500 (1209)

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
Address: 300 Plaza Circle Ste 202
Address: Naperville, IL 60563
Phone: 224-864-7250
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-94378
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-019
Project Location/State: New Lenox/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. 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	Preservative	Parameter: SVOC	SVOC	Total metals	TCLP/SPLP metals	PFT	Comments
11		UR-5(0-2)-040815	4-8-15	1155	2	S		X	X	X	X	X	
12		UR-5(0-2)-040815D		1155									
13		UR-2(0-5)-040815		1225									
14		UR-4(0-5)-040815		1235									
15		RB-3(0-5.5)-040815		1245									
16		RB-4(0-5.5)-040815		1300									
17		RB-5(0-4)-040815		1310									
18		GK-2(0-2)-040815		1325									
19		GK-1(0-2)-040815		1335									
20		W10-1(0-3)-040815	4-8-15	1345	2	S		X	X	X	X	X	

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
Timothy A. Walls	Weston	4-8-15	1505				
		4-8-15	1540		TA-CHI	4/8/15	1540

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:

TAL-4124-500 (1209)

4/16/2015