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: FAI 55: Interstate 55 at US Route 6 Office Phone Number, if available:

Physical Site Location (address, incldluding number and street):
23926 Eames Street

City: Channahon State: IL Zip Code:

County: Will Township:

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

Latitude: 41.457303191 (Decimal Degrees) Longitude: -88.194065137 (-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: FAI 55: Interstate 55 at US Route 6

Latitude: 41.457303191 Longitude: -88.194065137

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 MM-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 963C-10. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-82945-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/6/14
Date:

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

Summary Table of ISGS Site No. 963C-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	MM-1(0-4)-082514	**Soil Reference Concentrations[A]**
Sample Date	8/25/2014	
Location ID	MM-1	
Depth	0 - 4	
ISGS Site Number	693C-10	
Parameter		
Laboratory pH (s.u.)	8.34	<6.25,>9.0
VOCs (ug/kg)		
Acetone	44	25000
Methyl ethyl ketone	10	17000
SVOCs (ug/kg)		
2-Methylnaphthalene	11 J	---
3 & 4 Methylphenol	ND	---
Acenaphthene	22 J	570000
Acenaphthylene	16 J	570000
Anthracene	190	1.20E+07
Benzo(a)anthracene	760	900 / 1100 / 1800
Benzo(a)pyrene	640	90 / 1300 / 2100
Benzo(b)fluoranthene	850	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	2300000
Benzo(k)fluoranthene	390	9000
bis(2-Ethylhexyl)phthalate	88 J	46000
Carbazole	210 J+	600
Chrysene	770	88000
Dibenzo(a,h)anthracene	ND	90 / 200 / 420
Dibenzofuran	ND	---
Fluoranthene	1300	3100000
Fluorene	32 J	560000
Indeno(1,2,3-cd)pyrene	180	900 / 900 / 1600
Naphthalene, SVOC	ND	1800
Phenanthrene	660	210000
Pyrene	1400	2300000
Total Metals (mg/kg)		
Arsenic, Total	4.5	11.3 / 13
Barium, Total	70	1500
Beryllium, Total	0.47	22
Cadmium, Total	0.44	5.2
Calcium, Total	60000 B	---
Chromium, Total	13 B	21
Cobalt, Total	8.8	20
Copper, Total	15	2900
Iron, Total	12000	15000 / 15900
Lead, Total	86	107
Magnesium, Total	21000	325000
Manganese, Total	470	630
Mercury, Total	0.026	0.89
Nickel, Total	16	100
Potassium, Total	1400	---
Selenium, Total	0.25 J	1.3
Sodium, Total	840 B	---
Thallium, Total	ND	2.6
Vanadium, Total	19	550
Zinc, Total	72 B	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.61	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	0.094	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.07	0.15
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.26	5

Summary Table of ISGS Site No. 963C-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	MM-1(0-4)-082514	**Soil Reference Concentrations[A]**
Sample Date	8/25/2014	
Location ID	MM-1	
Depth	0 - 4	
ISGS Site Number	693C-10	
Parameter		
SPLP Metals (mg/l)		
Arsenic, SPLP	0.018 J	0.05
Barium, SPLP	0.52	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.061	0.1
Cobalt, SPLP	0.014 J	1
Copper, SPLP	0.1	0.65
Iron, SPLP	62	5
Lead, SPLP	0.048	0.0075
Manganese, SPLP	0.9	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.051	0.1
Zinc, SPLP	ND	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.

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: 500-82945-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 12:11:27 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: MM-1(0-4)-082514
Date Collected: 08/25/14 15:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-6
Matrix: Solid
Percent Solids: 83.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**44**		6.0	2.6	ug/Kg	☼		08/26/14 22:18	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		08/26/14 22:18	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/26/14 22:18	1
Bromoform	<6.0	*	6.0	1.4	ug/Kg	☼		08/26/14 22:18	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		08/26/14 22:18	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		08/26/14 22:18	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		08/26/14 22:18	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		08/26/14 22:18	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		08/26/14 22:18	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		08/26/14 22:18	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		08/26/14 22:18	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		08/26/14 22:18	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		08/26/14 22:18	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/26/14 22:18	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		08/26/14 22:18	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/26/14 22:18	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		08/26/14 22:18	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		08/26/14 22:18	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		08/26/14 22:18	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		08/26/14 22:18	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		08/26/14 22:18	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		08/26/14 22:18	1
Methyl Ethyl Ketone	**10**		6.0	2.2	ug/Kg	☼		08/26/14 22:18	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		08/26/14 22:18	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		08/26/14 22:18	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		08/26/14 22:18	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/26/14 22:18	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		08/26/14 22:18	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		08/26/14 22:18	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		08/26/14 22:18	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		08/26/14 22:18	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/26/14 22:18	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		08/26/14 22:18	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		08/26/14 22:18	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		08/26/14 22:18	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/26/14 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*08/26/14 22:18*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/26/14 22:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/26/14 22:18*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/26/14 22:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: MM-1(0-4)-082514
Date Collected: 08/25/14 15:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-6
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2-Methylnaphthalene	**11**	**J**	38	7.0	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
4-Chloroaniline	<770	*	770	180	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Acenaphthene	**22**	**J**	38	6.9	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Acenaphthylene	**16**	**J**	38	5.0	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Anthracene	**190**		38	6.4	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Benzo[a]anthracene	**760**		38	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Benzo[a]pyrene	**640**		38	7.4	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Benzo[b]fluoranthene	**850**		38	8.3	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Benzo[k]fluoranthene	**390**		38	11	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Bis(2-ethylhexyl) phthalate	**88**	**J**	190	70	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Carbazole	**210**	*****	190	99	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Chrysene	**770**		38	10	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Fluoranthene	**1300**		38	7.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Fluorene	**32**	**J**	38	5.4	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Hexachlorocyclopentadiene	<770	*	770	220	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: MM-1(0-4)-082514
Date Collected: 08/25/14 15:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-6
Matrix: Solid
Percent Solids: 83.7

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	180		38	9.9	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Isophorone	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Phenanthrene	660		38	5.3	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Phenol	<190		190	85	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1
Pyrene	1400		38	7.6	ug/Kg	☼	09/02/14 17:11	09/03/14 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 137*	*09/02/14 17:11*	*09/03/14 17:40*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*09/02/14 17:11*	*09/03/14 17:40*	*1*
2-Fluorophenol	*51*		*25 - 110*	*09/02/14 17:11*	*09/03/14 17:40*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*09/02/14 17:11*	*09/03/14 17:40*	*1*
Phenol-d5	*56*		*31 - 110*	*09/02/14 17:11*	*09/03/14 17:40*	*1*
Terphenyl-d14	*90*		*36 - 134*	*09/02/14 17:11*	*09/03/14 17:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:20	1
Barium	0.61		0.50	0.050	mg/L		09/04/14 08:30	09/04/14 23:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/04/14 23:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/04/14 23:20	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:20	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:20	1
Copper	0.094		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:20	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/04/14 23:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/04/14 23:20	1
Manganese	0.070		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:20	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:20	1
Selenium	0.012	J B	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:20	1
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:20	1
Zinc	0.26		0.10	0.020	mg/L		09/04/14 08:30	09/04/14 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018	J	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:35	1
Barium	0.52		0.50	0.050	mg/L		09/04/14 08:55	09/04/14 18:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 18:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 18:35	1
Chromium	0.061		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:35	1
Cobalt	0.014	J	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:35	1
Copper	0.10		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:35	1
Iron	62		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 18:35	1
Lead	0.048		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 18:35	1
Manganese	0.90		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:35	1
Nickel	0.051		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:35	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:35	1

Client Sample ID: MM-1(0-4)-082514
Date Collected: 08/25/14 15:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-6
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		09/04/14 08:55	09/04/14 18:35	1
Zinc	**0.38**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 18:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Arsenic	**4.5**		0.57	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Barium	**70**		0.57	0.061	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Beryllium	**0.47**		0.23	0.046	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Cadmium	**0.44**		0.11	0.014	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Calcium	**60000**	**B**	110	31	mg/Kg	☼	09/03/14 10:10	09/05/14 05:37	10
Chromium	**13**	**B**	0.57	0.066	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Cobalt	**8.8**		0.28	0.057	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Copper	**15**		0.57	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Iron	**12000**		11	4.7	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Lead	**86**		0.28	0.085	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Magnesium	**21000**		5.7	1.2	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Manganese	**470**		0.57	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Nickel	**16**		0.57	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Potassium	**1400**		28	1.7	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Selenium	**0.25**	**J**	0.57	0.20	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Silver	<0.28		0.28	0.021	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Sodium	**840**	**B**	57	7.6	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Vanadium	**19**		0.28	0.042	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1
Zinc	**72**	**B**	1.1	0.23	mg/Kg	☼	09/03/14 10:10	09/04/14 04:05	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 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		09/04/14 12:30	09/05/14 10:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		18	7.1	ug/Kg	☼	09/03/14 14:30	09/04/14 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.34**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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 - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica
THE LEADER IN ENVIRO
2417 Bond Street, University
Phone: 708.534.5200 Fa

500-82945 COC

(optional)
Report To
Contact: S. Balmukkunan
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
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 #: 500-82945
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 3.9

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / 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
1		SS-17 (0-7)-082514	8-25-14	1435	2	S		X	X	X	X	X	
2		SS-17 (7-15)-082514		1440									
3		SS-17 (7-15)-082514D		1440									
4		SS-20 (0-7)-082514		1505									
5		SS-20 (7-15)-082514		1510									
6		MM-1 (0-4)-082514	8-25-14	1520	2	S		X	X	X	X	X	

T. Walls 8-25-14

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
T. Walls	Weston	8-25-14	1600	P. Neal	TA	8/25/14	1600
P. Neal	TA	8/25/14	1645	JCA	TA	8/26/14	0630

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: FAI 55: Interstate 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
23000-24000 block of Eames Street

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.455766368 (Decimal Degrees) Longitude: -88.196738859 (-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: FAI 55: Interstate 55 at US Route 6

Latitude: 41.455766368 Longitude: -88.196738859

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 55-2, 55-3, 55-4, 55-5, 55-6, 55-8, 55-10, 55-14, 55-15, 55-17, 55-19, 55-20, 55-21, AND 55-22 WERE SAMPLED ADJACENT TO ISGS SITE No. 963C-13. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORTS - JOB ID: 500-82944-1, 500-82945-1, 500-83013-1, AND, 500-83014-1.

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/6/14
Date:

LICENSED PROFESSIONAL GEOLOGIST
KURT T. FISCHER
196-000881
ILLINOIS

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

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-2(0-5)-082614	55-2(5-10)-082614	55-3(0-8)-082614	55-3(8-16)-082614	Soil Reference Concentrations[A]
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	
Location ID	55-2	55-2	55-3	55-3	
Depth	0 - 5	5 - 10	0 - 8	8 - 16	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
Laboratory pH (s.u.)	8.27	7.93	8.33	8.58	<6.25,>9.0
VOCs (ug/kg)					
Acetone	45	67	64	ND	25000
Methyl ethyl ketone	8.4	15	12	ND	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	25 J	41	ND	ND	---
3 & 4 Methylphenol	ND	ND	ND	ND	---
Acenaphthene	40	78	ND	ND	570000
Acenaphthylene	29 J	ND	ND	ND	570000
Anthracene	50	85	ND	ND	1.20E+07
Benzo(a)anthracene	160	94	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	190	71	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	180	98	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	170	55	ND	ND	2300000
Benzo(k)fluoranthene	170	59	ND	ND	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	600
Chrysene	190	99	ND	ND	88000
Dibenzo(a,h)anthracene	ND	11 J	ND	ND	90 / 200 / 420
Dibenzofuran	ND	79 J	ND	ND	---
Fluoranthene	420	360	ND	ND	3100000
Fluorene	49	38	ND	ND	560000
Indeno(1,2,3-cd)pyrene	120	45	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	27 J	110	ND	ND	1800
Phenanthrene	210	410	ND	ND	210000
Pyrene	380	260	ND	ND	2300000
Total Metals (mg/kg)					
Arsenic, Total	4.5	3	3.5	2.8 J	11.3 / 13
Barium, Total	30	19	15	18	1500
Beryllium, Total	0.31	0.22	0.19 J	0.52 J	22
Cadmium, Total	0.31	0.19	0.25	0.41 J	5.2
Calcium, Total	150000 J	110000 J	100000 J	160000 J	---
Chromium, Total	8.2	5.5	15	4.7 J	21
Cobalt, Total	3.6	2.5	2.6	5.9	20
Copper, Total	11	7.4	10	27	2900
Iron, Total	13000 J+	13000 J+	16000 J+	16000 J+	15000 / 15900
Lead, Total	21	10	5.1	5.1 B	107
Magnesium, Total	83000 J	57000 J	59000 J	88000 J	325000
Manganese, Total	390	300	310	420	630
Mercury, Total	0.019	0.0071 J	ND	0.0069 J	0.89
Nickel, Total	8.5	5.9	7.4	12	100
Potassium, Total	1500	1200	1000	560	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	1700	800	610	540	---
Thallium, Total	0.47 J	0.37 J	ND	ND	2.6
Vanadium, Total	14 B	11 B	9 B	29	550
Zinc, Total	27	17	15	31	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.41 J	0.54	0.37 J	0.32 J	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	0.014 J	0.015 J	0.027	0.054	1
Copper, TCLP	0.037	0.017 J	0.018 J	0.049	0.65
Iron, TCLP	ND	0.23	ND	0.25	5
Lead, TCLP	0.01	0.011	ND	ND	0.0075
Manganese, TCLP	4.6	5.3	5.6	4.3	0.15
Nickel, TCLP	0.024 J	0.024 J	0.047	0.039	0.1
Zinc, TCLP	0.19	0.22	0.2 B	0.17 B	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-2(0-5)-082614	55-2(5-10)-082614	55-3(0-8)-082614	55-3(8-16)-082614	**Soil Reference Concentrations[A]**
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	
Location ID	55-2	55-2	55-3	55-3	
Depth	0 - 5	5 - 10	0 - 8	8 - 16	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	ND	0.05
Barium, SPLP	0.11 J	0.099 J	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	0.024 J	0.018 J	ND	ND	0.65
Iron, SPLP	4	2.3	ND	ND	5
Lead, SPLP	0.053	0.03	ND	ND	0.0075
Manganese, SPLP	0.36	0.21	ND	ND	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	0.1
Zinc, SPLP	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-3(16-18)-082614	55-4(0-7)-082514	55-4(7-15)-082514	55-4(7-15)-082514D	Soil Reference Concentrations[A]
Sample Date	8/26/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	55-3	55-4	55-4	55-4	
Depth	16 - 18	0 - 7	7 - 15	7 - 15	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
Laboratory pH (s.u.)	8.77	8.61	8.51	8.41	<6.25,>9.0
VOCs (ug/kg)					
Acetone	ND	57	ND	ND	25000
Methyl ethyl ketone	ND	12	ND	ND	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	16 J	ND	ND	---
3 & 4 Methylphenol	ND	ND	ND	ND	---
Acenaphthene	ND	7.1 J	ND	ND	570000
Acenaphthylene	ND	11 J	ND	ND	570000
Anthracene	ND	65	ND	ND	1.20E+07
Benzo(a)anthracene	ND	190	41	11 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	170	42	13 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	130	98 J	20 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	78	ND	ND	2300000
Benzo(k)fluoranthene	ND	150	36	15 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	88 J	ND	46000
Carbazole	ND	ND	ND	ND	600
Chrysene	ND	180	64 J	16 J	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	---
Fluoranthene	ND	330	100 J	22 J	3100000
Fluorene	ND	13 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	87	ND	16 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	1800
Phenanthrene	ND	290	ND	11 J	210000
Pyrene	ND	330	71 J	17 J	2300000
Total Metals (mg/kg)					
Arsenic, Total	3.8 J-	5.2	3.8	3.6	11.3 / 13
Barium, Total	7.7 J	55	23	19	1500
Beryllium, Total	ND	0.44	0.27	0.22	22
Cadmium, Total	ND	0.23 J-	0.18 J-	0.23 J-	5.2
Calcium, Total	160000 J	43000 J+	110000 J+	140000 J+	---
Chromium, Total	4.4 J	15 J	9.3 J	11 J	21
Cobalt, Total	2.6 J-	6.5 J-	3.2 J-	2.7 J-	20
Copper, Total	7	16 B	9.1 B	9.8 B	2900
Iron, Total	7900 J	13000 J+	8200 J+	7300 J+	15000 / 15900
Lead, Total	3.6 J	39 J	8.1 J	5.7 J	107
Magnesium, Total	96000 J	28000 J+	52000 J+	81000 J+	325000
Manganese, Total	340 J	330 J	290 J	270 J	630
Mercury, Total	ND	0.022 J	0.017 J	0.013 J	0.89
Nickel, Total	5.7 J-	13 J-	7.7 J-	7.2 J-	100
Potassium, Total	550 J	1700 J+	1300 J+	1200 J+	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	270 J	1600 J+	560 J+	580 J+	---
Thallium, Total	ND	0.86	0.55	0.36 J	2.6
Vanadium, Total	6.4 J-	23	13	11	550
Zinc, Total	21 J	52 J-	22 J-	19 J-	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	0.01 J	ND	ND	0.05
Barium, TCLP	0.32 J	0.64	0.61	0.5	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	0.024 J	0.015 J	0.013 J	1
Copper, TCLP	0.032	0.064	0.016 J	0.072 J	0.65
Iron, TCLP	ND	0.32	ND	ND	5
Lead, TCLP	ND	0.014	ND	ND	0.0075
Manganese, TCLP	1.8	5.2	4.7	3.7	0.15
Nickel, TCLP	0.019 J	0.032	0.022 J	0.022 J	0.1
Zinc, TCLP	0.21	0.37	0.26	0.24	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-3(16-18)-082614	55-4(0-7)-082514	55-4(7-15)-082514	55-4(7-15)-082514D	**Soil Reference Concentrations[A]**
Sample Date	8/26/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	55-3	55-4	55-4	55-4	
Depth	16 - 18	0 - 7	7 - 15	7 - 15	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	0.011 J	ND	ND	0.05
Barium, SPLP	0.098 J	0.2 J	0.3 J	0.29 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.046	ND	ND	0.1
Cobalt, SPLP	ND	0.017 J	ND	ND	1
Copper, SPLP	0.01 J	ND	ND	ND	0.65
Iron, SPLP	6.6	42	2.2	2.5	5
Lead, SPLP	ND	0.12	ND	ND	0.0075
Manganese, SPLP	0.22	0.64	0.045	0.053	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	0.041	ND	ND	0.1
Zinc, SPLP	ND	0.2	0.26	0.26	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-5(0-4)-082514	55-6(0-4)-082514	55-8(0-4)-082614	55-10(0-8)-082614	Soil Reference Concentrations[A]
Sample Date	8/25/2014	8/25/2014	8/26/2014	8/26/2014	
Location ID	55-5	55-6	55-8	55-10	
Depth	0 - 4	0 - 4	0 - 4	0 - 8	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
Laboratory pH (s.u.)	8.77	8.63	8.71	8.46	<6.25,>9.0
VOCs (ug/kg)					
Acetone	ND	75	43	99	25000
Methyl ethyl ketone	ND	16	8.4	14	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	23 J	---
3 & 4 Methylphenol	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	570000
Anthracene	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	29 J	7.1 J	17 J	18 J	900 / 1100 / 1800
Benzo(a)pyrene	37	11 J	22 J	17 J	90 / 1300 / 2100
Benzo(b)fluoranthene	56	15 J	26 J	23 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	38	ND	24 J	17 J	2300000
Benzo(k)fluoranthene	23 J	ND	12 J	12 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	600
Chrysene	41	15 J	19 J	19 J	88000
Dibenzo(a,h)anthracene	11 J	7.4 J	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	---
Fluoranthene	38	18 J	37	52	3100000
Fluorene	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	36 J	9.7 J	13 J	10 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	1800
Phenanthrene	17 J	10 J	ND	32 J	210000
Pyrene	50	7.9 J	ND	15 J	2300000
Total Metals (mg/kg)					
Arsenic, Total	3.9	6.1	5 J-	4.1 J-	11.3 / 13
Barium, Total	35	51	34 J	40 J	1500
Beryllium, Total	0.36	0.49	0.35	0.37	22
Cadmium, Total	0.29 J-	0.18 J-	0.31 J-	0.29 J-	5.2
Calcium, Total	110000 J+	33000 J+	110000 J	110000 J	---
Chromium, Total	11 J	14 J	9.2 J	8.3 J	21
Cobalt, Total	5.2 J-	6.2 J-	3.9 J-	3.7 J-	20
Copper, Total	14 B	18 B	12	11	2900
Iron, Total	10000 J+	15000 J+	10000 J	9200 J	15000 / 15900
Lead, Total	57 J	15 J	14 J	12 J	107
Magnesium, Total	49000 J+	22000 J+	51000 J	53000 J	325000
Manganese, Total	350 J	580 J	400 J	410 J	630
Mercury, Total	0.026 J	0.021 J	0.014 J	0.022	0.89
Nickel, Total	10 J-	14 J-	9.4 J-	8.9 J-	100
Potassium, Total	1800 J+	1900 J+	1500 J	1600 J	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	1600 J+	1800 J+	1700 J	1300 J	---
Thallium, Total	0.45 J	0.89	0.48 J	0.55 J	2.6
Vanadium, Total	17	24	15 J-	14 J-	550
Zinc, Total	34 J-	40 J-	26 J	22 J	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	0.01 J	ND	ND	ND	0.05
Barium, TCLP	0.6	0.48 J	0.56	0.57	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	0.019 J	ND	0.022 J	0.013 J	1
Copper, TCLP	0.02 J	0.025	0.039	0.034	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	0.011	0.0083	0.0075
Manganese, TCLP	4.1	3.5	6.6	6.6	0.15
Nickel, TCLP	0.015 J	ND	0.029	0.015 J	0.1
Zinc, TCLP	0.3	0.29	0.21	0.25	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-5(0-4)-082514	55-6(0-4)-082514	55-8(0-4)-082614	55-10(0-8)-082614	**Soil Reference Concentrations[A]**
Sample Date	8/25/2014	8/25/2014	8/26/2014	8/26/2014	
Location ID	55-5	55-6	55-8	55-10	
Depth	0 - 4	0 - 4	0 - 4	0 - 8	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.047 J	0.026 J	0.014 J	0.015 J	0.05
Barium, SPLP	0.58	0.66	0.49 J	0.51	2
Beryllium, SPLP	0.0056	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.15	0.071	0.051	0.053	0.1
Cobalt, SPLP	0.057	0.029	ND	0.012 J	1
Copper, SPLP	0.2 B	0.11 B	0.11	0.075	0.65
Iron, SPLP	140	70	39	43	5
Lead, SPLP	0.46	0.11	0.04	0.058	0.0075
Manganese, SPLP	1.5	0.97	0.48	0.57	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.17	0.077	0.037	0.043	0.1
Zinc, SPLP	0.55	0.49	ND	0.49 B	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-10(8-16)-082614	55-10(16-23)-082614	55-10(16-23)-082614D	55-14(0-4)-082514	Soil Reference Concentrations[A]
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/25/2014	
Location ID	55-10	55-10	55-10	55-14	
Depth	8 - 16	16 - 23	16 - 23	0 - 4	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
Laboratory pH (s.u.)	7.9	8.87	8.96	8.94	<6.25,>9.0
VOCs (ug/kg)					
Acetone	ND	ND	ND	40	25000
Methyl ethyl ketone	ND	ND	ND	6.5	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	ND	---
3 & 4 Methylphenol	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	570000
Anthracene	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	ND	8.5 J	20 J	14 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	16 J	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	10 J	20 J	17 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	13 J	ND	2300000
Benzo(k)fluoranthene	ND	ND	11 J	25 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	600
Chrysene	ND	ND	15 J	22 J	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	---
Fluoranthene	ND	26 J	53	37	3100000
Fluorene	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	1800
Phenanthrene	ND	ND	24 J	ND	210000
Pyrene	ND	ND	14 J	14 J	2300000
Total Metals (mg/kg)					
Arsenic, Total	9.5 J-	3.6 J-	4 J-	4.8	11.3 / 13
Barium, Total	92 J	8.7 J	8.7 J	30	1500
Beryllium, Total	0.71	0.15 J	0.17 J	0.29	22
Cadmium, Total	0.052 J	0.15 J-	0.18 J-	0.26 J-	5.2
Calcium, Total	5300 J	130000 J	140000 J	120000 J+	---
Chromium, Total	21 J	4.5 J	4.2 J	8.1 J	21
Cobalt, Total	8.8 J-	2 J-	1.9 J-	3.9 J-	20
Copper, Total	20	6.5	6.9	11 B	2900
Iron, Total	22000 J	6600 J	6700 J	9700 J+	15000 / 15900
Lead, Total	11 J	3.7 J	3.6 J	14 J	107
Magnesium, Total	4400 J	72000 J	79000 J	68000 J+	325000
Manganese, Total	560 J	400 J	330 J	340 J	630
Mercury, Total	0.032	ND	ND	0.024 J	0.89
Nickel, Total	20 J-	5.5 J-	5.3 J-	9.3 J-	100
Potassium, Total	2200 J	1000 J	1300 J	1600 J+	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	1400 J	640 J	720 J	1300 J+	---
Thallium, Total	1	0.3 J	ND	0.56	2.6
Vanadium, Total	35 J-	6.7 J-	7.2 J-	13	550
Zinc, Total	46 J	14 J	14 J	30 J-	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.65	0.27 J	0.28 J	0.53	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	0.015 J	ND	ND	0.016 J	1
Copper, TCLP	0.04	0.028	0.043	0.069	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	4.7	1.1	1.4	4.5	0.15
Nickel, TCLP	0.014 J	0.012 J	0.013 J	0.02 J	0.1
Zinc, TCLP	0.24	0.2	0.19	0.21	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-10(8-16)-082614	55-10(16-23)-082614	55-10(16-23)-082614D	55-14(0-4)-082514	Soil Reference Concentrations[A]
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/25/2014	
Location ID	55-10	55-10	55-10	55-14	
Depth	8 - 16	16 - 23	16 - 23	0 - 4	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.014 J	ND	ND	0.011 J	0.05
Barium, SPLP	0.47 J	0.36 J	0.15 J	0.23 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.047	0.023 J	ND	0.05	0.1
Cobalt, SPLP	0.012 J	ND	ND	0.014 J	1
Copper, SPLP	0.18	0.042 J	0.072 J	0.084 B	0.65
Iron, SPLP	35	11 J	ND	48	5
Lead, SPLP	0.17	ND	ND	0.085	0.0075
Manganese, SPLP	0.57	0.075 J	ND	0.45	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.036	0.01 J	ND	0.044	0.1
Zinc, SPLP	0.48 B	ND	ND	0.2	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-15(0-4)-082514	55-17(0-7)-082514	55-17(7-15)-082514	55-17(7-15)-082514D	Soil Reference Concentrations[A]
Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	55-15	55-17	55-17	55-17	
Depth	0 - 4	0 - 7	7 - 15	7 - 15	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
Laboratory pH (s.u.)	8.89	8.44	8.38	8.49	<6.25,>9.0
VOCs (ug/kg)					
Acetone	33	ND	12	14	25000
Methyl ethyl ketone	5.3 J	ND	ND	ND	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	72	ND	ND	---
3 & 4 Methylphenol	ND	86 J	ND	ND	---
Acenaphthene	ND	38	ND	ND	570000
Acenaphthylene	ND	8.4 J	ND	ND	570000
Anthracene	ND	29 J	ND	ND	1.20E+07
Benzo(a)anthracene	ND	120	14 J	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	200	19 J	9.3 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	210	23 J	14 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	150	ND	ND	2300000
Benzo(k)fluoranthene	ND	60	13 J	ND	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	600
Chrysene	ND	170	18 J	ND	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	---
Fluoranthene	ND	220	16 J	8.3 J	3100000
Fluorene	ND	26 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	150	12 J	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	24 J	ND	ND	1800
Phenanthrene	7.3 J	140	11 J	8.7 J	210000
Pyrene	ND	180	24 J	13 J	2300000
Total Metals (mg/kg)					
Arsenic, Total	3.3	5.4	5.6	5.9	11.3 / 13
Barium, Total	27	35	50	35	1500
Beryllium, Total	0.28	0.34	0.43	0.36	22
Cadmium, Total	0.2 J-	0.14	0.15	0.12	5.2
Calcium, Total	96000 J+	110000 B	74000 B	120000 B	---
Chromium, Total	8.1 J	8.1 B	11 B	8.4 B	21
Cobalt, Total	3.9 J-	5.5	6.5	5.5	20
Copper, Total	16 B	12	13	12	2900
Iron, Total	8300 J+	11000	12000	12000	15000 / 15900
Lead, Total	7.6 J	38	24	20	107
Magnesium, Total	48000 J+	49000	33000 J	69000 J	325000
Manganese, Total	300 J	390	320	370	630
Mercury, Total	0.027 J	0.019	0.039	0.028	0.89
Nickel, Total	9.1 J-	13	16	14	100
Potassium, Total	1200 J+	910	1200	900	---
Selenium, Total	ND	0.43 J	ND	0.22 J	1.3
Sodium, Total	1800 J+	700 B	650 B	630 B	---
Thallium, Total	0.61	ND	ND	ND	2.6
Vanadium, Total	17	15	18	15	550
Zinc, Total	21 J-	44 B	47 B	46 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	0.011 J	ND	ND	ND	0.05
Barium, TCLP	0.6	0.44 J	0.48 J	0.76	2
Cadmium, TCLP	ND	0.0023 J	ND	ND	0.005
Cobalt, TCLP	0.019 J	0.029	0.017 J	0.014 J	1
Copper, TCLP	0.03	0.01 J	ND	0.034	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	0.013	ND	ND	0.0075
Manganese, TCLP	6.7	5.6	4.7	5.3	0.15
Nickel, TCLP	0.018 J	0.023 J	0.02 J	0.018 J	0.1
Zinc, TCLP	0.31	0.19	0.044 J	0.24 J	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-15(0-4)-082514	55-17(0-7)-082514	55-17(7-15)-082514	55-17(7-15)-082514D	**Soil Reference Concentrations[A]**
Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	55-15	55-17	55-17	55-17	
Depth	0 - 4	0 - 7	7 - 15	7 - 15	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.047 J	0.014 J	ND	ND	0.05
Barium, SPLP	0.66	0.44 J	0.39 J	0.37 J	2
Beryllium, SPLP	0.0053	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.14	0.047	0.037	0.014 J	0.1
Cobalt, SPLP	0.058	ND	ND	ND	1
Copper, SPLP	0.2 B	0.073	0.098	0.065	0.65
Iron, SPLP	140	38	28 J	7.1 J	5
Lead, SPLP	0.14	0.018	0.042 J	ND	0.0075
Manganese, SPLP	2.4	0.52	0.47	0.44	0.15
Mercury, SPLP	0.00028	ND	ND	ND	0.002
Nickel, SPLP	0.18	0.037	0.03	0.011 J	0.1
Zinc, SPLP	0.61	ND	ND	ND	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-19(0-7)-082514	55-19(7-15)-082514	55-20(0-7)-082514	55-20(7-15)-082514	Soil Reference Concentrations[A]
Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	55-19	55-19	55-20	55-20	
Depth	0 - 7	7 - 15	0 - 7	7 - 15	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
Laboratory pH (s.u.)	8.5	7.9	8.25	8.04	<6.25,>9.0
VOCs (ug/kg)					
Acetone	ND	ND	57	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	11 J	---
3 & 4 Methylphenol	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	570000
Anthracene	13 J	ND	12 J	25 J	1.20E+07
Benzo(a)anthracene	78 J	10 J	73	110	900 / 1100 / 1800
Benzo(a)pyrene	77 J	18 J	64	120	90 / 1300 / 2100
Benzo(b)fluoranthene	98 J	21 J	95	170	900 / 1500 / 2100
Benzo(g,h,i)perylene	56 J	18 J	60	ND	2300000
Benzo(k)fluoranthene	34 J	13 J	36	91	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	600
Chrysene	82 J	15 J	80	130	88000
Dibenzo(a,h)anthracene	ND	9.8 J	13 J	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	---
Fluoranthene	110 J	15 J	100	200	3100000
Fluorene	ND	ND	ND	12 J	560000
Indeno(1,2,3-cd)pyrene	50 J	13 J	59	59	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	1800
Phenanthrene	50 J	10 J	56	110	210000
Pyrene	130 J	ND	160	230	2300000
Total Metals (mg/kg)					
Arsenic, Total	4.4	5.1	4.4	4.5	11.3 / 13
Barium, Total	47	46	40	44	1500
Beryllium, Total	0.41	0.46	0.44	0.43	22
Cadmium, Total	0.23 J-	0.26 J-	0.26	0.13	5.2
Calcium, Total	81000 J+	110000 J+	82000 B	84000 B	---
Chromium, Total	11 J	12 J	10 B	11 B	21
Cobalt, Total	4.7 J-	5.2 J-	7	6.5	20
Copper, Total	12 B	13 B	12	12	2900
Iron, Total	11000 J+	11000 J+	12000	11000	15000 / 15900
Lead, Total	36 J	23 J	60	22	107
Magnesium, Total	38000 J+	54000 J+	37000	37000	325000
Manganese, Total	360 J	430 J	290	370	630
Mercury, Total	0.023 J	0.022 J	0.028	0.032	0.89
Nickel, Total	9.9 J-	11 J-	15	15	100
Potassium, Total	1800 J+	2000 J+	1300	1100	---
Selenium, Total	ND	ND	0.22 J	0.29 J	1.3
Sodium, Total	1400 J+	1000 J+	750 B	410 B	---
Thallium, Total	0.7	0.67	ND	ND	2.6
Vanadium, Total	18	20	17	18	550
Zinc, Total	31 J-	30 J-	55 B	43 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	0.012 J	ND	0.011 J	ND	0.05
Barium, TCLP	0.49 J	0.52	0.59	0.58	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	0.021 J	ND	1
Copper, TCLP	0.023 J	0.043	0.024 J	0.015 J	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	2.2	0.48	4.9	1.8	0.15
Nickel, TCLP	0.02 J	ND	0.017 J	ND	0.1
Zinc, TCLP	0.25	0.15	0.24	0.25	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-19(0-7)-082514	55-19(7-15)-082514	55-20(0-7)-082514	55-20(7-15)-082514	**Soil Reference Concentrations[A]**
Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	55-19	55-19	55-20	55-20	
Depth	0 - 7	7 - 15	0 - 7	7 - 15	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	0.026 J	0.012 J	ND	0.05
Barium, SPLP	0.14 J	0.37 J	0.43 J	0.41 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.035	0.093	0.053	0.027	0.1
Cobalt, SPLP	ND	0.023 J	0.011 J	ND	1
Copper, SPLP	ND	0.085 B	0.086	0.057	0.65
Iron, SPLP	31	93	44	19	5
Lead, SPLP	0.098	0.11	0.094	0.049	0.0075
Manganese, SPLP	0.32	1	0.57	0.69	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.03	0.09	0.042	0.023 J	0.1
Zinc, SPLP	0.13	0.28	ND	ND	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-21(0-5)-082614	55-21(5-10)-082614	55-21(5-10)-082614D	55-22(0-5)-082614	Soil Reference Concentrations[A]
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	
Location ID	55-21	55-21	55-21	55-22	
Depth	0 - 5	5 - 10	5 - 10	0 - 5	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
Laboratory pH (s.u.)	8.55	8.74	8.77	8.16	<6.25,>9.0
VOCs (ug/kg)					
Acetone	9.6	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	ND	---
3 & 4 Methylphenol	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	570000
Anthracene	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	ND	ND	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	23 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	ND	15 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	ND	ND	2300000
Benzo(k)fluoranthene	ND	ND	ND	14 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	600
Chrysene	ND	ND	ND	ND	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	---
Fluoranthene	ND	ND	ND	14 J	3100000
Fluorene	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	1800
Phenanthrene	ND	ND	ND	7.5 J	210000
Pyrene	ND	ND	ND	ND	2300000
Total Metals (mg/kg)					
Arsenic, Total	3.4	4.3	3.7	3.7	11.3 / 13
Barium, Total	23	7.5	7.8	19	1500
Beryllium, Total	0.26	0.17 J	0.17 J	0.23	22
Cadmium, Total	0.23	0.26	0.2	0.23	5.2
Calcium, Total	97000 J	150000 J	98000 J	140000 J	---
Chromium, Total	6.4	4.8	6.1	7	21
Cobalt, Total	3	2.2 J	4.9 J	3.2	20
Copper, Total	8.9	10 J	26 J	10	2900
Iron, Total	13000 J+	9300 J+	5500 J+	14000 J+	15000 / 15900
Lead, Total	7	5	8.7	8.6	107
Magnesium, Total	55000 J	84000 J	54000 J	73000 J	325000
Manganese, Total	310	290	260	290	630
Mercury, Total	0.011 J	0.0087 J	0.011 J	ND	0.89
Nickel, Total	7.3	5.5 J	9.9 J	7.4	100
Potassium, Total	1500	880	820	1200	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	690	540	480	290	---
Thallium, Total	0.25 J	0.22 J	0.27 J	ND	2.6
Vanadium, Total	11 B	7.5 B	7.6 B	11 B	550
Zinc, Total	18	18	23	22	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.39 J	0.31 J	0.3 J	0.41 J	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	0.02 J	ND	1
Copper, TCLP	0.069	0.018 J	0.085 J	0.027	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.4	1.1 J	3.6 J	0.76	0.15
Nickel, TCLP	0.014 J	0.011 J	0.03	0.01 J	0.1
Zinc, TCLP	0.21	0.21	0.21 B	0.22	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-21(0-5)-082614	55-21(5-10)-082614	55-21(5-10)-082614D	55-22(0-5)-082614	**Soil Reference Concentrations[A]**
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	
Location ID	55-21	55-21	55-21	55-22	
Depth	0 - 5	5 - 10	5 - 10	0 - 5	
ISGS Site Number	963C-13	963C-13	963C-13	963C-13	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	0.65
Iron, SPLP	0.82	ND	ND	1.2	5
Lead, SPLP	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.075	ND	ND	0.032	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	0.1
Zinc, SPLP	ND	ND	0.24 J	ND	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-22(5-10)-082614	**Soil Reference Concentrations[A]**
Sample Date	8/26/2014	
Location ID	55-22	
Depth	5 - 10	
ISGS Site Number	963C-13	
Parameter		
Laboratory pH (s.u.)	8.27	<6.25,>9.0
VOCs (ug/kg)		
Acetone	ND	25000
Methyl ethyl ketone	ND	17000
SVOCs (ug/kg)		
2-Methylnaphthalene	ND	---
3 & 4 Methylphenol	ND	---
Acenaphthene	ND	570000
Acenaphthylene	ND	570000
Anthracene	ND	1.20E+07
Benzo(a)anthracene	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	2300000
Benzo(k)fluoranthene	ND	9000
bis(2-Ethylhexyl)phthalate	ND	46000
Carbazole	ND	600
Chrysene	ND	88000
Dibenzo(a,h)anthracene	ND	90 / 200 / 420
Dibenzofuran	ND	---
Fluoranthene	ND	3100000
Fluorene	ND	560000
Indeno(1,2,3-cd)pyrene	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	1800
Phenanthrene	ND	210000
Pyrene	ND	2300000
Total Metals (mg/kg)		
Arsenic, Total	7.4	11.3 / 13
Barium, Total	14	1500
Beryllium, Total	ND	22
Cadmium, Total	0.5 J	5.2
Calcium, Total	170000 J	---
Chromium, Total	6.9 B	21
Cobalt, Total	3.5	20
Copper, Total	12	2900
Iron, Total	15000 J+	15000 / 15900
Lead, Total	6.9 B	107
Magnesium, Total	90000 J	325000
Manganese, Total	520	630
Mercury, Total	ND	0.89
Nickel, Total	8.4	100
Potassium, Total	590	---
Selenium, Total	ND	1.3
Sodium, Total	210 J	---
Thallium, Total	ND	2.6
Vanadium, Total	8.7	550
Zinc, Total	48	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.26 J	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	0.04	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	1.1	0.15
Nickel, TCLP	0.013 J	0.1
Zinc, TCLP	0.18	5

Summary Table of ISGS Site No. 963C-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-22(5-10)-082614	**Soil Reference Concentrations[A]**
Sample Date	8/26/2014	
Location ID	55-22	
Depth	5 - 10	
ISGS Site Number	963C-13	
Parameter		
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	ND	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	ND	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	ND	0.65
Iron, SPLP	ND	5
Lead, SPLP	ND	0.0075
Manganese, SPLP	ND	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	ND	0.1
Zinc, SPLP	ND	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.

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: 500-82944-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 3:20:14 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(0-7)-082514
Date Collected: 08/25/14 10:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-5
Matrix: Solid
Percent Solids: 90.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	☼		08/27/14 16:52	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 16:52	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/27/14 16:52	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/27/14 16:52	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/27/14 16:52	1
Carbon disulfide	<5.5		5.5	0.83	ug/Kg	☼		08/27/14 16:52	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/27/14 16:52	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/27/14 16:52	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 16:52	1
Chloroform	<5.5		5.5	0.64	ug/Kg	☼		08/27/14 16:52	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/27/14 16:52	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/27/14 16:52	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 16:52	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/27/14 16:52	1
1,1-Dichloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/27/14 16:52	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/27/14 16:52	1
1,1-Dichloroethene	<5.5		5.5	0.90	ug/Kg	☼		08/27/14 16:52	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		08/27/14 16:52	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 16:52	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/27/14 16:52	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/27/14 16:52	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 16:52	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/14 16:52	1
methyl isobutyl ketone	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 16:52	1
Methyl tert-butyl ether	<5.5		5.5	0.92	ug/Kg	☼		08/27/14 16:52	1
Styrene	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 16:52	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/14 16:52	1
Tetrachloroethene	<5.5		5.5	0.85	ug/Kg	☼		08/27/14 16:52	1
Toluene	<5.5		5.5	0.78	ug/Kg	☼		08/27/14 16:52	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 16:52	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		08/27/14 16:52	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	☼		08/27/14 16:52	1
1,1,2-Trichloroethane	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 16:52	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	☼		08/27/14 16:52	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/14 16:52	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/27/14 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/27/14 16:52*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*08/27/14 16:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/27/14 16:52*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/27/14 16:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	38	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
1,2-Dichlorobenzene	<170		170	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
1,4-Dichlorobenzene	<170		170	45	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(0-7)-082514
Date Collected: 08/25/14 10:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-5
Matrix: Solid
Percent Solids: 90.2

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	79	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Methylphenol	<170		170	56	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
3,3'-Dichlorobenzidine	<170		170	49	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Anthracene	**13**	**J**	35	5.8	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[a]anthracene	**78**		35	4.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[a]pyrene	**77**		35	6.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[b]fluoranthene	**98**		35	7.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[g,h,i]perylene	**56**		35	11	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[k]fluoranthene	**34**	**J**	35	10	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Bis(2-chloroethoxy)methane	<170		170	36	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Bis(2-ethylhexyl) phthalate	<170		170	64	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Carbazole	<170		170	90	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Chrysene	**82**		35	9.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Dibenzofuran	<170		170	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Fluoranthene	**110**		35	6.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Fluorene	<35		35	4.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Hexachlorobutadiene	<170		170	55	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Hexachloroethane	<170		170	53	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(0-7)-082514
Date Collected: 08/25/14 10:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-5
Matrix: Solid
Percent Solids: 90.2

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	50		35	9.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Isophorone	<170		170	39	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
N-Nitrosodi-n-propylamine	<170		170	43	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Phenanthrene	50		35	4.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Phenol	<170		170	77	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Pyrene	130		35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*35 - 137*	*09/02/14 07:19*	*09/03/14 16:55*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*09/02/14 07:19*	*09/03/14 16:55*	*1*
2-Fluorophenol	*50*		*25 - 110*	*09/02/14 07:19*	*09/03/14 16:55*	*1*
Nitrobenzene-d5	*50*		*25 - 115*	*09/02/14 07:19*	*09/03/14 16:55*	*1*
Phenol-d5	*51*		*31 - 110*	*09/02/14 07:19*	*09/03/14 16:55*	*1*
Terphenyl-d14	*96*		*36 - 134*	*09/02/14 07:19*	*09/03/14 16:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Barium	0.49	J	0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:16	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Copper	0.023	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:16	1
Manganese	2.2		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Nickel	0.020	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Selenium	0.011	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Zinc	0.25		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Barium	0.14	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:53	1
Chromium	0.035		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Copper	0.039	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Iron	31		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:53	1
Lead	0.098		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:53	1
Manganese	0.32		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Nickel	0.030		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(0-7)-082514
Date Collected: 08/25/14 10:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-5
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		09/02/14 15:40	09/05/14 02:53	1
Zinc	**0.13**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Arsenic	**4.4**		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Barium	**47**		0.52	0.056	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Beryllium	**0.41**		0.21	0.042	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Cadmium	**0.23**		0.10	0.013	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Calcium	**81000**	**B**	100	28	mg/Kg	☼	09/03/14 10:00	09/06/14 00:16	10
Chromium	**11**	**B**	0.52	0.060	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Cobalt	**4.7**		0.26	0.052	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Copper	**12**	**B**	0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Iron	**11000**		10	4.3	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Lead	**36**		0.26	0.077	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Magnesium	**38000**	**B**	5.2	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Manganese	**360**		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Nickel	**9.9**		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Potassium	**1800**		26	1.6	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Selenium	<0.52		0.52	0.18	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Sodium	**1400**	**B**	52	7.0	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Thallium	**0.70**		0.52	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Vanadium	**18**		0.26	0.038	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Zinc	**31**	**B**	1.0	0.21	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:47	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	**23**		16	6.2	ug/Kg	☼	09/03/14 14:30	09/04/14 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.50**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(7-15)-082514
Date Collected: 08/25/14 10:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-6
Matrix: Solid
Percent Solids: 78.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6.4	2.7	ug/Kg	☼		08/27/14 17:15	1
Benzene	<6.4		6.4	0.87	ug/Kg	☼		08/27/14 17:15	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	☼		08/27/14 17:15	1
Bromoform	<6.4		6.4	1.5	ug/Kg	☼		08/27/14 17:15	1
Bromomethane	<6.4		6.4	1.9	ug/Kg	☼		08/27/14 17:15	1
Carbon disulfide	<6.4		6.4	0.95	ug/Kg	☼		08/27/14 17:15	1
Carbon tetrachloride	<6.4		6.4	1.2	ug/Kg	☼		08/27/14 17:15	1
Chlorobenzene	<6.4		6.4	0.65	ug/Kg	☼		08/27/14 17:15	1
Chloroethane	<6.4		6.4	1.7	ug/Kg	☼		08/27/14 17:15	1
Chloroform	<6.4		6.4	0.73	ug/Kg	☼		08/27/14 17:15	1
Chloromethane	<6.4		6.4	1.3	ug/Kg	☼		08/27/14 17:15	1
cis-1,2-Dichloroethene	<6.4		6.4	0.90	ug/Kg	☼		08/27/14 17:15	1
cis-1,3-Dichloropropene	<6.4		6.4	0.84	ug/Kg	☼		08/27/14 17:15	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg	☼		08/27/14 17:15	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg	☼		08/27/14 17:15	1
1,2-Dichloroethane	<6.4		6.4	0.94	ug/Kg	☼		08/27/14 17:15	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg	☼		08/27/14 17:15	1
1,2-Dichloropropane	<6.4		6.4	0.97	ug/Kg	☼		08/27/14 17:15	1
1,3-Dichloropropene, Total	<6.4		6.4	0.84	ug/Kg	☼		08/27/14 17:15	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg	☼		08/27/14 17:15	1
2-Hexanone	<6.4		6.4	1.8	ug/Kg	☼		08/27/14 17:15	1
Methylene Chloride	<6.4		6.4	1.7	ug/Kg	☼		08/27/14 17:15	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	☼		08/27/14 17:15	1
methyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg	☼		08/27/14 17:15	1
Methyl tert-butyl ether	<6.4		6.4	1.1	ug/Kg	☼		08/27/14 17:15	1
Styrene	<6.4		6.4	0.84	ug/Kg	☼		08/27/14 17:15	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg	☼		08/27/14 17:15	1
Tetrachloroethene	<6.4		6.4	0.97	ug/Kg	☼		08/27/14 17:15	1
Toluene	<6.4		6.4	0.89	ug/Kg	☼		08/27/14 17:15	1
trans-1,2-Dichloroethene	<6.4		6.4	0.88	ug/Kg	☼		08/27/14 17:15	1
trans-1,3-Dichloropropene	<6.4		6.4	1.1	ug/Kg	☼		08/27/14 17:15	1
1,1,1-Trichloroethane	<6.4		6.4	0.95	ug/Kg	☼		08/27/14 17:15	1
1,1,2-Trichloroethane	<6.4		6.4	0.87	ug/Kg	☼		08/27/14 17:15	1
Trichloroethene	<6.4		6.4	1.1	ug/Kg	☼		08/27/14 17:15	1
Vinyl chloride	<6.4		6.4	1.3	ug/Kg	☼		08/27/14 17:15	1
Xylenes, Total	<13		13	0.58	ug/Kg	☼		08/27/14 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/27/14 17:15*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/27/14 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*08/27/14 17:15*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/27/14 17:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(7-15)-082514
Date Collected: 08/25/14 10:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-6
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[a]anthracene	**10**	**J**	40	5.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[a]pyrene	**18**	**J**	40	7.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[b]fluoranthene	**21**	**J**	40	8.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[g,h,i]perylene	**18**	**J**	40	13	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[k]fluoranthene	**13**	**J**	40	12	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Carbazole	<200		200	100	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Chrysene	**15**	**J**	40	11	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Dibenz(a,h)anthracene	**9.8**	**J**	40	7.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Fluoranthene	**15**	**J**	40	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(7-15)-082514
Date Collected: 08/25/14 10:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-6
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	13	J	40	10	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Isophorone	<200		200	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Naphthalene	<40		40	6.2	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Phenanthrene	10	J	40	5.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Phenol	<200		200	89	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Pyrene	<40		40	8.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*35 - 137*	*09/02/14 07:19*	*09/03/14 14:28*	*1*
2-Fluorobiphenyl	*63*		*25 - 119*	*09/02/14 07:19*	*09/03/14 14:28*	*1*
2-Fluorophenol	*52*		*25 - 110*	*09/02/14 07:19*	*09/03/14 14:28*	*1*
Nitrobenzene-d5	*50*		*25 - 115*	*09/02/14 07:19*	*09/03/14 14:28*	*1*
Phenol-d5	*49*		*31 - 110*	*09/02/14 07:19*	*09/03/14 14:28*	*1*
Terphenyl-d14	*83*		*36 - 134*	*09/02/14 07:19*	*09/03/14 14:28*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Barium	0.52		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:29	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Copper	0.043		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:29	1
Manganese	0.48		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Selenium	0.017	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Zinc	0.15		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Barium	0.37	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:57	1
Chromium	0.093		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Cobalt	0.023	J	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Copper	0.085	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Iron	93		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:57	1
Lead	0.11		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:57	1
Manganese	1.0		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Nickel	0.090		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1

Client Sample ID: 55-19(7-15)-082514
Date Collected: 08/25/14 10:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-6
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		09/02/14 15:40	09/05/14 02:57	1
Zinc	**0.28**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		1.3	0.51	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Arsenic	**5.1**		0.63	0.13	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Barium	**46**		0.63	0.067	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Beryllium	**0.46**		0.25	0.050	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Cadmium	**0.26**		0.13	0.016	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Calcium	**110000**	**B**	130	34	mg/Kg	☼	09/03/14 10:00	09/06/14 00:20	10
Chromium	**12**	**B**	0.63	0.073	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Cobalt	**5.2**		0.32	0.063	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Copper	**13**	**B**	0.63	0.13	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Iron	**11000**		13	5.2	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Lead	**23**		0.32	0.094	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Magnesium	**54000**	**B**	6.3	1.3	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Manganese	**430**		0.63	0.13	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Nickel	**11**		0.63	0.13	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Potassium	**2000**		32	1.9	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Selenium	<0.63		0.63	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Silver	<0.32		0.32	0.023	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Sodium	**1000**	**B**	63	8.4	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Thallium	**0.67**		0.63	0.27	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Vanadium	**20**		0.32	0.047	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Zinc	**30**	**B**	1.3	0.25	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:49	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	7.7	ug/Kg	☼	09/03/14 14:30	09/04/14 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.90**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-6(0-4)-082514
Date Collected: 08/25/14 10:35
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-7
Matrix: Solid
Percent Solids: 88.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	75		5.7	2.4	ug/Kg	☼		08/27/14 17:38	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/27/14 17:38	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		08/27/14 17:38	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		08/27/14 17:38	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/27/14 17:38	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/27/14 17:38	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/27/14 17:38	1
Chlorobenzene	<5.7		5.7	0.57	ug/Kg	☼		08/27/14 17:38	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		08/27/14 17:38	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		08/27/14 17:38	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/27/14 17:38	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		08/27/14 17:38	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	☼		08/27/14 17:38	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/27/14 17:38	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/27/14 17:38	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/27/14 17:38	1
1,1-Dichloroethene	<5.7		5.7	0.91	ug/Kg	☼		08/27/14 17:38	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		08/27/14 17:38	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	☼		08/27/14 17:38	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		08/27/14 17:38	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/27/14 17:38	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/27/14 17:38	1
Methyl Ethyl Ketone	16		5.7	2.0	ug/Kg	☼		08/27/14 17:38	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/27/14 17:38	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/27/14 17:38	1
Styrene	<5.7		5.7	0.74	ug/Kg	☼		08/27/14 17:38	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/27/14 17:38	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/27/14 17:38	1
Toluene	<5.7		5.7	0.79	ug/Kg	☼		08/27/14 17:38	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/27/14 17:38	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/27/14 17:38	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/27/14 17:38	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	☼		08/27/14 17:38	1
Trichloroethene	<5.7		5.7	0.93	ug/Kg	☼		08/27/14 17:38	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/27/14 17:38	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/27/14 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*08/27/14 17:38*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/27/14 17:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/27/14 17:38*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/27/14 17:38*	*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	38	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-6(0-4)-082514
Date Collected: 08/25/14 10:35
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-7
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
4,6-Dinitro-2-methylphenol	<350		350	290	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Anthracene	<35		35	6.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Benzo[a]anthracene	**7.1**	**J**	35	4.8	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Benzo[a]pyrene	**11**	**J**	35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Benzo[b]fluoranthene	**15**	**J**	35	7.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Benzo[k]fluoranthene	<35		35	11	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Carbazole	<180		180	92	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Chrysene	**15**	**J**	35	9.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Dibenz(a,h)anthracene	**7.4**	**J**	35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Fluoranthene	**18**	**J**	35	6.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-6(0-4)-082514
Date Collected: 08/25/14 10:35
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-7
Matrix: Solid
Percent Solids: 88.3

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	9.7	J	35	9.2	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Isophorone	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Phenanthrene	10	J	35	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Phenol	<180		180	79	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1
Pyrene	7.9	J	35	7.1	ug/Kg	☼	09/02/14 07:19	09/03/14 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*35 - 137*	*09/02/14 07:19*	*09/03/14 14:49*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*09/02/14 07:19*	*09/03/14 14:49*	*1*
2-Fluorophenol	*42*		*25 - 110*	*09/02/14 07:19*	*09/03/14 14:49*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/02/14 07:19*	*09/03/14 14:49*	*1*
Phenol-d5	*42*		*31 - 110*	*09/02/14 07:19*	*09/03/14 14:49*	*1*
Terphenyl-d14	*79*		*36 - 134*	*09/02/14 07:19*	*09/03/14 14:49*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:34	1
Barium	0.48	J	0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:34	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:34	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:34	1
Copper	0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:34	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:34	1
Manganese	3.5		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:34	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:34	1
Selenium	0.019	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:34	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:34	1
Zinc	0.29		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:01	1
Barium	0.66		0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:01	1
Chromium	0.071		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:01	1
Cobalt	0.029		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:01	1
Copper	0.11	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:01	1
Iron	70		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:01	1
Lead	0.11		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:01	1
Manganese	0.97		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:01	1
Nickel	0.077		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:01	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-6(0-4)-082514
Date Collected: 08/25/14 10:35
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-7
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		09/02/14 15:40	09/05/14 03:01	1
Zinc	**0.49**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Arsenic	**6.1**		0.53	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Barium	**51**		0.53	0.057	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Beryllium	**0.49**		0.21	0.043	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Cadmium	**0.18**		0.11	0.013	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Calcium	**33000**	**B**	11	2.9	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Chromium	**14**	**B**	0.53	0.062	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Cobalt	**6.2**		0.27	0.053	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Copper	**18**	**B**	0.53	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Iron	**15000**		11	4.4	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Lead	**15**		0.27	0.079	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Magnesium	**22000**	**B**	5.3	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Manganese	**580**		0.53	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Nickel	**14**		0.53	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Potassium	**1900**		27	1.6	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Sodium	**1800**	**B**	53	7.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Thallium	**0.89**		0.53	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Vanadium	**24**		0.27	0.039	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1
Zinc	**40**	**B**	1.1	0.21	mg/Kg	☼	09/03/14 10:00	09/04/14 22:12	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:51	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	7.1	ug/Kg	☼	09/03/14 14:30	09/04/14 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.63**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-5(0-4)-082514
Date Collected: 08/25/14 11:00
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-9
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	☼		08/27/14 18:23	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/27/14 18:23	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/27/14 18:23	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/27/14 18:23	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		08/27/14 18:23	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		08/27/14 18:23	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/27/14 18:23	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/27/14 18:23	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/27/14 18:23	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		08/27/14 18:23	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 18:23	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/27/14 18:23	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 18:23	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/27/14 18:23	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/27/14 18:23	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/27/14 18:23	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		08/27/14 18:23	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/27/14 18:23	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 18:23	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 18:23	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/27/14 18:23	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/27/14 18:23	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/27/14 18:23	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/27/14 18:23	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/27/14 18:23	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 18:23	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 18:23	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		08/27/14 18:23	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/27/14 18:23	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/27/14 18:23	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/27/14 18:23	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/27/14 18:23	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/27/14 18:23	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		08/27/14 18:23	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 18:23	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/27/14 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/27/14 18:23*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/27/14 18:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*08/27/14 18:23*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/27/14 18:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-5(0-4)-082514
Date Collected: 08/25/14 11:00
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-9
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	85	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[a]anthracene	**29**	**J**	37	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[a]pyrene	**37**		37	7.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[b]fluoranthene	**56**		37	8.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[g,h,i]perylene	**38**		37	12	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[k]fluoranthene	**23**	**J**	37	11	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Carbazole	<190		190	96	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Chrysene	**41**		37	10	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Dibenz(a,h)anthracene	**11**	**J**	37	7.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Fluoranthene	**38**		37	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-5(0-4)-082514
Date Collected: 08/25/14 11:00
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-9
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	36	J	37	9.6	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Phenanthrene	17	J	37	5.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Phenol	<190		190	83	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Pyrene	50		37	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*35 - 137*	*09/02/14 07:19*	*09/03/14 17:16*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*09/02/14 07:19*	*09/03/14 17:16*	*1*
2-Fluorophenol	*46*		*25 - 110*	*09/02/14 07:19*	*09/03/14 17:16*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/02/14 07:19*	*09/03/14 17:16*	*1*
Phenol-d5	*47*		*31 - 110*	*09/02/14 07:19*	*09/03/14 17:16*	*1*
Terphenyl-d14	*106*		*36 - 134*	*09/02/14 07:19*	*09/03/14 17:16*	*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		09/03/14 08:15	09/04/14 13:44	1
Barium	0.60		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:44	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Cobalt	0.019	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Copper	0.020	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:44	1
Manganese	4.1		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Nickel	0.015	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Selenium	0.015	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Zinc	0.30		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:44	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		09/02/14 15:40	09/05/14 03:09	1
Barium	0.58		0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:09	1
Beryllium	0.0056		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:09	1
Chromium	0.15		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Cobalt	0.057		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Copper	0.20	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Iron	140		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:09	1
Lead	0.46		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:09	1
Manganese	1.5		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Nickel	0.17		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1

Client Sample ID: 55-5(0-4)-082514
Date Collected: 08/25/14 11:00
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-9
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		09/02/14 15:40	09/05/14 03:09	1
Zinc	**0.55**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Arsenic	**3.9**		0.58	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Barium	**35**		0.58	0.062	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Beryllium	**0.36**		0.23	0.046	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Cadmium	**0.29**		0.12	0.015	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Calcium	**110000**	**B**	120	31	mg/Kg	☼	09/03/14 10:00	09/06/14 00:28	10
Chromium	**11**	**B**	0.58	0.067	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Cobalt	**5.2**		0.29	0.058	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Copper	**14**	**B**	0.58	0.12	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Iron	**10000**		12	4.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Lead	**57**		0.29	0.086	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Magnesium	**49000**	**B**	5.8	1.2	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Manganese	**350**		0.58	0.12	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Nickel	**10**		0.58	0.12	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Potassium	**1800**		29	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Selenium	<0.58		0.58	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Sodium	**1600**	**B**	58	7.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Thallium	**0.45**	**J**	0.58	0.24	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Vanadium	**17**		0.29	0.043	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Zinc	**34**	**B**	1.2	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:55	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	6.7	ug/Kg	☼	09/03/14 14:30	09/04/14 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.77**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(0-7)-082514
Date Collected: 08/25/14 11:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-10
Matrix: Solid
Percent Solids: 89.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	57		5.6	2.4	ug/Kg	☼		08/27/14 18:46	1
Benzene	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 18:46	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	☼		08/27/14 18:46	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		08/27/14 18:46	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		08/27/14 18:46	1
Carbon disulfide	<5.6		5.6	0.83	ug/Kg	☼		08/27/14 18:46	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		08/27/14 18:46	1
Chlorobenzene	<5.6		5.6	0.56	ug/Kg	☼		08/27/14 18:46	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 18:46	1
Chloroform	<5.6		5.6	0.64	ug/Kg	☼		08/27/14 18:46	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		08/27/14 18:46	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		08/27/14 18:46	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 18:46	1
Dibromochloromethane	<5.6		5.6	0.97	ug/Kg	☼		08/27/14 18:46	1
1,1-Dichloroethane	<5.6		5.6	0.88	ug/Kg	☼		08/27/14 18:46	1
1,2-Dichloroethane	<5.6		5.6	0.82	ug/Kg	☼		08/27/14 18:46	1
1,1-Dichloroethene	<5.6		5.6	0.90	ug/Kg	☼		08/27/14 18:46	1
1,2-Dichloropropane	<5.6		5.6	0.84	ug/Kg	☼		08/27/14 18:46	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 18:46	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		08/27/14 18:46	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		08/27/14 18:46	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 18:46	1
Methyl Ethyl Ketone	12		5.6	2.0	ug/Kg	☼		08/27/14 18:46	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 18:46	1
Methyl tert-butyl ether	<5.6		5.6	0.92	ug/Kg	☼		08/27/14 18:46	1
Styrene	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 18:46	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/27/14 18:46	1
Tetrachloroethene	<5.6		5.6	0.85	ug/Kg	☼		08/27/14 18:46	1
Toluene	<5.6		5.6	0.78	ug/Kg	☼		08/27/14 18:46	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		08/27/14 18:46	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		08/27/14 18:46	1
1,1,1-Trichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/27/14 18:46	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 18:46	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	☼		08/27/14 18:46	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		08/27/14 18:46	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/27/14 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*08/27/14 18:46*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*08/27/14 18:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*08/27/14 18:46*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/27/14 18:46*	*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	☼	09/02/14 07:19	09/08/14 02:47	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(0-7)-082514
Date Collected: 08/25/14 11:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-10
Matrix: Solid
Percent Solids: 89.9

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	☼	09/02/14 07:19	09/08/14 02:47	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Methylnaphthalene	**16**	**J**	36	6.7	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Acenaphthene	**7.1**	**J**	36	6.5	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Acenaphthylene	**11**	**J**	36	4.8	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Anthracene	**65**		36	6.1	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[a]anthracene	**190**		36	4.9	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[a]pyrene	**170**		36	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[b]fluoranthene	**130**		36	7.8	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[g,h,i]perylene	**78**		36	12	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[k]fluoranthene	**150**		36	11	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Carbazole	<180		180	94	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Chrysene	**180**		36	9.9	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Fluoranthene	**330**		36	6.7	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Fluorene	**13**	**J**	36	5.1	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(0-7)-082514
Date Collected: 08/25/14 11:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-10
Matrix: Solid
Percent Solids: 89.9

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	87		36	9.4	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Phenanthrene	290		36	5.1	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Phenol	<180		180	81	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Pyrene	330		36	7.2	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*09/02/14 07:19*	*09/08/14 02:47*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*09/02/14 07:19*	*09/08/14 02:47*	*1*
2-Fluorophenol	*72*		*25 - 110*	*09/02/14 07:19*	*09/08/14 02:47*	*1*
Nitrobenzene-d5	*62*		*25 - 115*	*09/02/14 07:19*	*09/08/14 02:47*	*1*
Phenol-d5	*80*		*31 - 110*	*09/02/14 07:19*	*09/08/14 02:47*	*1*
Terphenyl-d14	*83*		*36 - 134*	*09/02/14 07:19*	*09/08/14 02:47*	*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		09/03/14 08:15	09/04/14 13:49	1
Barium	0.64		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:49	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Cobalt	0.024	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Copper	0.064		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Iron	0.32		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:49	1
Lead	0.014		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:49	1
Manganese	5.2		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Nickel	0.032		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Selenium	0.021	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Zinc	0.37		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Barium	0.20	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:13	1
Chromium	0.046		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Cobalt	0.017	J	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Copper	0.051	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Iron	42		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:13	1
Lead	0.12		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:13	1
Manganese	0.64		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Nickel	0.041		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1

Client Sample ID: 55-4(0-7)-082514
Date Collected: 08/25/14 11:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-10
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		09/02/14 15:40	09/05/14 03:13	1
Zinc	**0.20**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Arsenic	**5.2**		0.55	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Barium	**55**		0.55	0.059	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Beryllium	**0.44**		0.22	0.044	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Cadmium	**0.23**		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Calcium	**43000**	**B**	11	3.0	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Chromium	**15**	**B**	0.55	0.064	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Cobalt	**6.5**		0.28	0.055	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Copper	**16**	**B**	0.55	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Iron	**13000**		11	4.5	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Lead	**39**		0.28	0.082	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Magnesium	**28000**	**B**	5.5	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Manganese	**330**		0.55	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Nickel	**13**		0.55	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Potassium	**1700**		28	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Sodium	**1600**	**B**	55	7.4	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Thallium	**0.86**		0.55	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Vanadium	**23**		0.28	0.041	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Zinc	**52**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:57	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	7.3	ug/Kg	☼	09/03/14 14:30	09/04/14 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.61**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-11
Matrix: Solid
Percent Solids: 90.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	☼		08/27/14 19:09	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 19:09	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/27/14 19:09	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/27/14 19:09	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/27/14 19:09	1
Carbon disulfide	<5.5		5.5	0.83	ug/Kg	☼		08/27/14 19:09	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/27/14 19:09	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/27/14 19:09	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 19:09	1
Chloroform	<5.5		5.5	0.64	ug/Kg	☼		08/27/14 19:09	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/27/14 19:09	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/27/14 19:09	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 19:09	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/27/14 19:09	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/27/14 19:09	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/27/14 19:09	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	☼		08/27/14 19:09	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		08/27/14 19:09	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 19:09	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/27/14 19:09	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/27/14 19:09	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 19:09	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/14 19:09	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/27/14 19:09	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	☼		08/27/14 19:09	1
Styrene	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 19:09	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/14 19:09	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	☼		08/27/14 19:09	1
Toluene	<5.5		5.5	0.77	ug/Kg	☼		08/27/14 19:09	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 19:09	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		08/27/14 19:09	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	☼		08/27/14 19:09	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	☼		08/27/14 19:09	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	☼		08/27/14 19:09	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/14 19:09	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/27/14 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/27/14 19:09*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*08/27/14 19:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*08/27/14 19:09*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/27/14 19:09*	*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	☼	09/02/14 07:19	09/08/14 03:09	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-11
Matrix: Solid
Percent Solids: 90.4

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	82	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Anthracene	<36		36	6.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[a]anthracene	**41**		36	4.9	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[a]pyrene	**42**		36	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[b]fluoranthene	**98**		36	7.8	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[k]fluoranthene	**36**		36	11	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Bis(2-ethylhexyl) phthalate	**88**	**J**	180	66	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Carbazole	<180		180	93	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Chrysene	**64**		36	9.9	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Fluoranthene	**100**		36	6.7	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Fluorene	<36		36	5.1	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-11
Matrix: Solid
Percent Solids: 90.4

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	<36		36	9.4	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Phenol	<180		180	80	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Pyrene	**71**		36	7.2	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*35 - 137*	*09/02/14 07:19*	*09/08/14 03:09*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*09/02/14 07:19*	*09/08/14 03:09*	*1*
2-Fluorophenol	*73*		*25 - 110*	*09/02/14 07:19*	*09/08/14 03:09*	*1*
Nitrobenzene-d5	*61*		*25 - 115*	*09/02/14 07:19*	*09/08/14 03:09*	*1*
Phenol-d5	*77*		*31 - 110*	*09/02/14 07:19*	*09/08/14 03:09*	*1*
Terphenyl-d14	*83*		*36 - 134*	*09/02/14 07:19*	*09/08/14 03:09*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Barium	**0.61**		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:54	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:54	1
Manganese	**4.7**		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Nickel	**0.022**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Selenium	**0.019**	**J B**	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Zinc	**0.26**		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:26	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Copper	**0.021**	**J B**	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Iron	**2.2**		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:26	1
Manganese	**0.045**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1

Client Sample ID: 55-4(7-15)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-11
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		09/02/14 15:40	09/05/14 03:26	1
Zinc	**0.26**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Arsenic	**3.8**		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Barium	**23**		0.54	0.058	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Beryllium	**0.27**		0.22	0.043	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Cadmium	**0.18**		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Calcium	**110000**	**B**	110	29	mg/Kg	☼	09/03/14 10:00	09/06/14 00:32	10
Chromium	**9.3**	**B**	0.54	0.063	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Cobalt	**3.2**		0.27	0.054	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Copper	**9.1**	**B**	0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Iron	**8200**		11	4.5	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Lead	**8.1**		0.27	0.081	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Magnesium	**52000**	**B**	5.4	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Manganese	**290**		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Nickel	**7.7**		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Potassium	**1300**		27	1.6	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Sodium	**560**	**B**	54	7.3	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Thallium	**0.55**		0.54	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Vanadium	**13**		0.27	0.040	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Zinc	**22**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**	**J**	18	7.0	ug/Kg	☼	09/03/14 14:30	09/04/14 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.51**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514D
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-12
Matrix: Solid
Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	☼		08/27/14 19:32	1
Benzene	<5.5		5.5	0.75	ug/Kg	☼		08/27/14 19:32	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/27/14 19:32	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/27/14 19:32	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/27/14 19:32	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	☼		08/27/14 19:32	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/27/14 19:32	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/27/14 19:32	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 19:32	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		08/27/14 19:32	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/27/14 19:32	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/27/14 19:32	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		08/27/14 19:32	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/27/14 19:32	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/27/14 19:32	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/27/14 19:32	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	☼		08/27/14 19:32	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	☼		08/27/14 19:32	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		08/27/14 19:32	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/27/14 19:32	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/27/14 19:32	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 19:32	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/14 19:32	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/27/14 19:32	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	☼		08/27/14 19:32	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		08/27/14 19:32	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/14 19:32	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	☼		08/27/14 19:32	1
Toluene	<5.5		5.5	0.77	ug/Kg	☼		08/27/14 19:32	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 19:32	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	☼		08/27/14 19:32	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/27/14 19:32	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	☼		08/27/14 19:32	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	☼		08/27/14 19:32	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/14 19:32	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/27/14 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/27/14 19:32*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*08/27/14 19:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/27/14 19:32*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/27/14 19:32*	*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	☼	09/02/14 07:19	09/03/14 17:58	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514D
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-12
Matrix: Solid
Percent Solids: 91.0

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	☼	09/02/14 07:19	09/03/14 17:58	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4,6-Dinitro-2-methylphenol	<350		350	290	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Anthracene	<35		35	6.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[a]anthracene	**11**	**J**	35	4.8	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[a]pyrene	**13**	**J**	35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[b]fluoranthene	**20**	**J**	35	7.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[k]fluoranthene	**15**	**J**	35	10	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Carbazole	<180		180	92	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Chrysene	**16**	**J**	35	9.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Fluoranthene	**22**	**J**	35	6.6	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514D
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-12
Matrix: Solid
Percent Solids: 91.0

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	16	J	35	9.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Isophorone	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Phenanthrene	11	J	35	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Phenol	<180		180	79	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Pyrene	17	J	35	7.1	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*35 - 137*	*09/02/14 07:19*	*09/03/14 17:58*	*1*
2-Fluorobiphenyl	*63*		*25 - 119*	*09/02/14 07:19*	*09/03/14 17:58*	*1*
2-Fluorophenol	*49*		*25 - 110*	*09/02/14 07:19*	*09/03/14 17:58*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*09/02/14 07:19*	*09/03/14 17:58*	*1*
Phenol-d5	*49*		*31 - 110*	*09/02/14 07:19*	*09/03/14 17:58*	*1*
Terphenyl-d14	*103*		*36 - 134*	*09/02/14 07:19*	*09/03/14 17:58*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Barium	0.50		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:59	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Cobalt	0.013	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Copper	0.072		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:59	1
Manganese	3.7		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Nickel	0.022	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Selenium	0.020	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Zinc	0.24		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Barium	0.29	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:30	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Copper	0.048	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Iron	2.5		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:30	1
Manganese	0.053		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1

Client Sample ID: 55-4(7-15)-082514D
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-12
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		09/02/14 15:40	09/05/14 03:30	1
Zinc	**0.26**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.40	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Arsenic	**3.6**		0.50	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Barium	**19**		0.50	0.054	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Beryllium	**0.22**		0.20	0.040	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Cadmium	**0.23**		0.10	0.013	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Calcium	**140000**	**B**	100	27	mg/Kg	☼	09/03/14 10:00	09/06/14 00:36	10
Chromium	**11**	**B**	0.50	0.058	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Cobalt	**2.7**		0.25	0.050	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Copper	**9.8**	**B**	0.50	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Iron	**7300**		10	4.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Lead	**5.7**		0.25	0.075	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Magnesium	**81000**	**B**	50	10	mg/Kg	☼	09/03/14 10:00	09/06/14 00:36	10
Manganese	**270**		0.50	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Nickel	**7.2**		0.50	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Potassium	**1200**		25	1.5	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Silver	<0.25		0.25	0.018	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Sodium	**580**	**B**	50	6.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Thallium	**0.36**	**J**	0.50	0.21	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Vanadium	**11**		0.25	0.037	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Zinc	**19**	**B**	1.0	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 10:09	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	**13**	**J**	17	6.7	ug/Kg	☼	09/03/14 14:30	09/04/14 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.41**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-14(0-4)-082514
Date Collected: 08/25/14 14:05
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-18
Matrix: Solid
Percent Solids: 86.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**40**		5.8	2.5	ug/Kg	☼		08/29/14 16:58	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/29/14 16:58	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/29/14 16:58	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/29/14 16:58	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		08/29/14 16:58	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		08/29/14 16:58	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/29/14 16:58	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/29/14 16:58	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/29/14 16:58	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		08/29/14 16:58	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/29/14 16:58	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/29/14 16:58	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/29/14 16:58	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/29/14 16:58	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		08/29/14 16:58	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/29/14 16:58	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		08/29/14 16:58	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/29/14 16:58	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/29/14 16:58	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/29/14 16:58	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/29/14 16:58	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/29/14 16:58	1
Methyl Ethyl Ketone	**6.5**		5.8	2.1	ug/Kg	☼		08/29/14 16:58	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/29/14 16:58	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/29/14 16:58	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/29/14 16:58	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/29/14 16:58	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		08/29/14 16:58	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/29/14 16:58	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/29/14 16:58	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/29/14 16:58	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/29/14 16:58	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/29/14 16:58	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		08/29/14 16:58	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/29/14 16:58	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		08/29/14 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/29/14 16:58*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/29/14 16:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/29/14 16:58*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/29/14 16:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-14(0-4)-082514
Date Collected: 08/25/14 14:05
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-18
Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Anthracene	<37		37	6.3	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Benzo[a]anthracene	**14**	**J**	37	5.1	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Benzo[b]fluoranthene	**17**	**J**	37	8.1	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Benzo[k]fluoranthene	**25**	**J**	37	11	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Carbazole	<190		190	97	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Chrysene	**22**	**J**	37	10	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Fluoranthene	**37**		37	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Fluorene	<37		37	5.3	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-14(0-4)-082514
Date Collected: 08/25/14 14:05
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-18
Matrix: Solid
Percent Solids: 86.5

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	<37		37	9.8	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Phenol	<190		190	84	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1
Pyrene	**14**	**J**	37	7.5	ug/Kg	☼	09/02/14 07:19	09/08/14 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 137*	*09/02/14 07:19*	*09/08/14 04:13*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*09/02/14 07:19*	*09/08/14 04:13*	*1*
2-Fluorophenol	*58*		*25 - 110*	*09/02/14 07:19*	*09/08/14 04:13*	*1*
Nitrobenzene-d5	*56*		*25 - 115*	*09/02/14 07:19*	*09/08/14 04:13*	*1*
Phenol-d5	*65*		*31 - 110*	*09/02/14 07:19*	*09/08/14 04:13*	*1*
Terphenyl-d14	*84*		*36 - 134*	*09/02/14 07:19*	*09/08/14 04:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 14:37	1
Barium	**0.53**		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 14:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 14:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 14:37	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:37	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:37	1
Copper	**0.069**		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:37	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 14:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 14:37	1
Manganese	**4.5**		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:37	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:37	1
Selenium	**0.014**	**J B**	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 14:37	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:37	1
Zinc	**0.21**		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.011**	**J**	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:54	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:54	1
Chromium	**0.050**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:54	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:54	1
Copper	**0.084**	**B**	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:54	1
Iron	**48**		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:54	1
Lead	**0.085**		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:54	1
Manganese	**0.45**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:54	1
Nickel	**0.044**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:54	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:54	1

Client Sample ID: 55-14(0-4)-082514
Date Collected: 08/25/14 14:05
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-18
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		09/02/14 15:40	09/05/14 03:54	1
Zinc	**0.20**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Arsenic	**4.8**		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Barium	**30**		0.56	0.060	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Beryllium	**0.29**		0.23	0.045	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Cadmium	**0.26**		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Calcium	**120000**	**B**	110	31	mg/Kg	☼	09/03/14 10:00	09/06/14 01:02	10
Chromium	**8.1**	**B**	0.56	0.065	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Cobalt	**3.9**		0.28	0.056	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Copper	**11**	**B**	0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Iron	**9700**		11	4.6	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Lead	**14**		0.28	0.084	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Magnesium	**68000**	**B**	56	12	mg/Kg	☼	09/03/14 10:00	09/06/14 01:02	10
Manganese	**340**		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Nickel	**9.3**		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Potassium	**1600**		28	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Sodium	**1300**	**B**	56	7.5	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Thallium	**0.56**		0.56	0.24	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Vanadium	**13**		0.28	0.042	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1
Zinc	**30**	**B**	1.1	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 23:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 12:38	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		09/04/14 12:30	09/05/14 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		18	6.9	ug/Kg	☼	09/03/14 14:30	09/04/14 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.94**		0.200	0.200	SU			08/29/14 14:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-15(0-4)-082514
Date Collected: 08/25/14 14:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-19
Matrix: Solid
Percent Solids: 88.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	33		5.7	2.5	ug/Kg	☼		08/29/14 17:20	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 17:20	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/29/14 17:20	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		08/29/14 17:20	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/29/14 17:20	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/29/14 17:20	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/29/14 17:20	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/29/14 17:20	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 17:20	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		08/29/14 17:20	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 17:20	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		08/29/14 17:20	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	☼		08/29/14 17:20	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/29/14 17:20	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/29/14 17:20	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/29/14 17:20	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/29/14 17:20	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		08/29/14 17:20	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	☼		08/29/14 17:20	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		08/29/14 17:20	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/29/14 17:20	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 17:20	1
Methyl Ethyl Ketone	5.3	J	5.7	2.1	ug/Kg	☼		08/29/14 17:20	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 17:20	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/29/14 17:20	1
Styrene	<5.7		5.7	0.74	ug/Kg	☼		08/29/14 17:20	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/29/14 17:20	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/29/14 17:20	1
Toluene	<5.7		5.7	0.79	ug/Kg	☼		08/29/14 17:20	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 17:20	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/29/14 17:20	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/29/14 17:20	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	☼		08/29/14 17:20	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		08/29/14 17:20	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 17:20	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/29/14 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/29/14 17:20*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/29/14 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*		*08/29/14 17:20*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 17:20*	*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	☼	09/02/14 07:19	09/03/14 16:13	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-15(0-4)-082514
Date Collected: 08/25/14 14:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-19
Matrix: Solid
Percent Solids: 88.1

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	☼	09/02/14 07:19	09/03/14 16:13	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
4,6-Dinitro-2-methylphenol	<350		350	290	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Anthracene	<35		35	6.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Benzo[b]fluoranthene	<35		35	7.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Benzo[k]fluoranthene	<35		35	11	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Carbazole	<180		180	92	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Chrysene	<35		35	9.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-15(0-4)-082514
Date Collected: 08/25/14 14:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-19
Matrix: Solid
Percent Solids: 88.1

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	<35		35	9.2	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Isophorone	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Phenanthrene	**7.3**	**J**	35	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Phenol	<180		180	79	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1
Pyrene	<35		35	7.1	ug/Kg	☼	09/02/14 07:19	09/03/14 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*35 - 137*	*09/02/14 07:19*	*09/03/14 16:13*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*09/02/14 07:19*	*09/03/14 16:13*	*1*
2-Fluorophenol	*45*		*25 - 110*	*09/02/14 07:19*	*09/03/14 16:13*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*09/02/14 07:19*	*09/03/14 16:13*	*1*
Phenol-d5	*47*		*31 - 110*	*09/02/14 07:19*	*09/03/14 16:13*	*1*
Terphenyl-d14	*82*		*36 - 134*	*09/02/14 07:19*	*09/03/14 16:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.011**	**J**	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 14:42	1
Barium	**0.60**		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 14:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 14:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 14:42	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:42	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:42	1
Copper	**0.030**		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:42	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 14:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 14:42	1
Manganese	**6.7**		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:42	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:42	1
Selenium	**0.020**	**J B**	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 14:42	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 14:42	1
Zinc	**0.31**		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 14:42	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		09/02/14 15:40	09/05/14 03:58	1
Barium	**0.66**		0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:58	1
Beryllium	**0.0053**		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:58	1
Chromium	**0.14**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:58	1
Cobalt	**0.058**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:58	1
Copper	**0.20**	**B**	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:58	1
Iron	**140**		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:58	1
Lead	**0.14**		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:58	1
Manganese	**2.4**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:58	1
Nickel	**0.18**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:58	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:58	1

Client Sample ID: 55-15(0-4)-082514
Date Collected: 08/25/14 14:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-19
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		09/02/14 15:40	09/05/14 03:58	1
Zinc	**0.61**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Arsenic	**3.3**		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Barium	**27**		0.52	0.055	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Beryllium	**0.28**		0.21	0.041	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Cadmium	**0.20**		0.10	0.013	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Calcium	**96000**	**B**	100	28	mg/Kg	☼	09/03/14 10:00	09/06/14 01:06	10
Chromium	**8.1**	**B**	0.52	0.060	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Cobalt	**3.9**		0.26	0.052	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Copper	**16**	**B**	0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Iron	**8300**		10	4.3	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Lead	**7.6**		0.26	0.077	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Magnesium	**48000**	**B**	5.2	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Manganese	**300**		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Nickel	**9.1**		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Potassium	**1200**		26	1.6	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Selenium	<0.52		0.52	0.18	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Sodium	**1800**	**B**	52	6.9	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Thallium	**0.61**		0.52	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Vanadium	**17**		0.26	0.038	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	1
Zinc	**21**	**B**	1.0	0.21	mg/Kg	☼	09/03/14 10:00	09/04/14 23:57	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		09/03/14 11:25	09/04/14 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		18	7.0	ug/Kg	☼	09/03/14 14:30	09/04/14 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.89**		0.200	0.200	SU			08/29/14 14:20	1

Qualifiers

GC/MS VOA

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.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMEN

2417 Bond Street, University Park, I
Phone: 708.534.5200 Fax: 708

500-82944 COC

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
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 #: 500-82944

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (3.9)(4.2)

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
							Parameter										
1		CB-1(0-7)-082514	8-25-14	0855	2	S		X	X	X	X	X					
2		CB-1(0-7)-082514D		0855													
3		CB-1(7-15)-082514		0900													
4		CB-2(0-4)-082514		0915													
5		55-19(0-7)-082514		1015													
6		55-19(7-15)-082514		1020													
7		55-6(0-4)-082514		1035													
8		55-7(0-4)-082514		1050													
9		55-5(0-4)-082514		1100													
10		55-4(0-7)-082514	8-25-14	1115	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
T. Walls / A. Walls	Weston	8-25-14	1600	P. Neal	TA	8/25/14	1600
P. Neal	TA	8/25/14	1645	JLT	TA	8/26/14	0630
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

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 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
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 #: 500-82944
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client	Client Project #
Weston	
Project Name: IDOT-085	
Project Location/State: Channahon/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		55-4 (7-15)-082514	8-25-14	1120	2	5		X	X	X	X	X					
12		55-4 (7-15)-082514D		1120													
13		55-12 (0-8)-082514		1145													
14		55-12 (8-16)-082514		1150													
15		55-12 (16-22.5)-082514		1205													
16		55-13 (0-7)-082514		1240													
17		55-13 (7-15)-082514		1245													
18		55-14 (0-4)-082514		1405													
19		55-15 (0-4)-082514		1415													
20		55-16 (0-4)-082514	8-25-14	1425	2	5		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	8-25-14	1600	P. Neal	TA	8/25/14	1600
P. Neal	TA	8/25/14	1645		TA	8/26/14	0630

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

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-82945-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 12:11:27 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(0-7)-082514
Date Collected: 08/25/14 14:35
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-1
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	☼		08/26/14 20:22	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 20:22	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		08/26/14 20:22	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		08/26/14 20:22	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 20:22	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 20:22	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/26/14 20:22	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/26/14 20:22	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		08/26/14 20:22	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		08/26/14 20:22	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 20:22	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/26/14 20:22	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 20:22	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 20:22	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		08/26/14 20:22	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 20:22	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		08/26/14 20:22	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/26/14 20:22	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 20:22	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 20:22	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 20:22	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/26/14 20:22	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/26/14 20:22	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/26/14 20:22	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		08/26/14 20:22	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 20:22	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 20:22	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		08/26/14 20:22	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/26/14 20:22	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 20:22	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 20:22	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 20:22	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 20:22	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		08/26/14 20:22	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 20:22	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		08/26/14 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*08/26/14 20:22*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/26/14 20:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*08/26/14 20:22*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*08/26/14 20:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(0-7)-082514
Date Collected: 08/25/14 14:35
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-1
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	<370		370	85	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2-Methylnaphthalene	**72**		37	6.8	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
3 & 4 Methylphenol	**86**	**J**	190	62	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
3-Nitroaniline	<370	*	370	120	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
4-Chloroaniline	<750	*	750	170	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Acenaphthene	**38**		37	6.7	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Acenaphthylene	**8.4**	**J**	37	4.9	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Anthracene	**29**	**J**	37	6.2	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Benzo[a]anthracene	**120**		37	5.0	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Benzo[a]pyrene	**200**		37	7.2	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Benzo[b]fluoranthene	**210**		37	8.0	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Benzo[g,h,i]perylene	**150**		37	12	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Benzo[k]fluoranthene	**60**		37	11	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Carbazole	<190	*	190	96	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Chrysene	**170**		37	10	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Dibenzofuran	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Fluoranthene	**220**		37	6.9	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Fluorene	**26**	**J**	37	5.2	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Hexachlorocyclopentadiene	<750	*	750	210	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Hexachloroethane	<190		190	56	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(0-7)-082514
Date Collected: 08/25/14 14:35
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-1
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	150		37	9.6	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Naphthalene	24	J	37	5.7	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Phenanthrene	140		37	5.2	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Phenol	<190		190	82	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1
Pyrene	180		37	7.4	ug/Kg	☼	09/02/14 17:11	09/05/14 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*35 - 137*	*09/02/14 17:11*	*09/05/14 01:04*	*1*
2-Fluorobiphenyl	*63*		*25 - 119*	*09/02/14 17:11*	*09/05/14 01:04*	*1*
2-Fluorophenol	*82*		*25 - 110*	*09/02/14 17:11*	*09/05/14 01:04*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*09/02/14 17:11*	*09/05/14 01:04*	*1*
Phenol-d5	*78*		*31 - 110*	*09/02/14 17:11*	*09/05/14 01:04*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/02/14 17:11*	*09/05/14 01:04*	*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		09/04/14 08:30	09/04/14 22:31	1
Barium	0.44	J	0.50	0.050	mg/L		09/04/14 08:30	09/04/14 22:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/04/14 22:31	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		09/04/14 08:30	09/04/14 22:31	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:31	1
Cobalt	0.029		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:31	1
Copper	0.010	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:31	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/04/14 22:31	1
Lead	0.013		0.0075	0.0075	mg/L		09/04/14 08:30	09/04/14 22:31	1
Manganese	5.6		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:31	1
Nickel	0.023	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:31	1
Selenium	0.015	J B	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 22:31	1
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:31	1
Zinc	0.19		0.10	0.020	mg/L		09/04/14 08:30	09/04/14 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:06	1
Barium	0.44	J	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 18:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 18:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 18:06	1
Chromium	0.047		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:06	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:06	1
Copper	0.073		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:06	1
Iron	38		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 18:06	1
Lead	0.018		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 18:06	1
Manganese	0.52		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:06	1
Nickel	0.037		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:06	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:06	1

Client Sample ID: 55-17(0-7)-082514
Date Collected: 08/25/14 14:35
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-1
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		09/04/14 08:55	09/04/14 18:06	1
Zinc	**0.31**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 18:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Arsenic	**5.4**		0.53	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Barium	**35**		0.53	0.057	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Beryllium	**0.34**		0.21	0.043	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Cadmium	**0.14**		0.11	0.014	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Calcium	**110000**	**B**	110	29	mg/Kg	☼	09/03/14 10:10	09/05/14 05:16	10
Chromium	**8.1**	**B**	0.53	0.062	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Cobalt	**5.5**		0.27	0.053	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Copper	**12**		0.53	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Iron	**11000**		11	4.4	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Lead	**38**		0.27	0.080	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Magnesium	**49000**		5.3	1.1	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Manganese	**390**		0.53	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Nickel	**13**		0.53	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Potassium	**910**		27	1.6	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Selenium	**0.43**	**J**	0.53	0.19	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Sodium	**700**	**B**	53	7.2	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Thallium	<0.53		0.53	0.23	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Vanadium	**15**		0.27	0.040	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1
Zinc	**44**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:10	09/04/14 03:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		17	6.5	ug/Kg	☼	09/03/14 14:30	09/04/14 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.44**		0.200	0.200	SU			08/29/14 17:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(7-15)-082514
Date Collected: 08/25/14 14:40
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-2
Matrix: Solid
Percent Solids: 86.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		5.8	2.5	ug/Kg	☼		08/26/14 20:45	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 20:45	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 20:45	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		08/26/14 20:45	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 20:45	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 20:45	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/26/14 20:45	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/26/14 20:45	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		08/26/14 20:45	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		08/26/14 20:45	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 20:45	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/26/14 20:45	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 20:45	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 20:45	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		08/26/14 20:45	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 20:45	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		08/26/14 20:45	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/26/14 20:45	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 20:45	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 20:45	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 20:45	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/26/14 20:45	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/26/14 20:45	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/26/14 20:45	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		08/26/14 20:45	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 20:45	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 20:45	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		08/26/14 20:45	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/26/14 20:45	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/26/14 20:45	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 20:45	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 20:45	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 20:45	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		08/26/14 20:45	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 20:45	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		08/26/14 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/26/14 20:45*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/26/14 20:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*08/26/14 20:45*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/26/14 20:45*	*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	☼	09/02/14 17:11	09/03/14 16:15	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(7-15)-082514
Date Collected: 08/25/14 14:40
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-2
Matrix: Solid
Percent Solids: 86.5

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	☼	09/02/14 17:11	09/03/14 16:15	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
4-Chloroaniline	<740	*	740	170	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Anthracene	<36		36	6.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Benzo[a]anthracene	**14**	**J**	36	4.9	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Benzo[a]pyrene	**19**	**J**	36	7.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Benzo[b]fluoranthene	**23**	**J**	36	7.9	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Benzo[k]fluoranthene	**13**	**J**	36	11	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Carbazole	<180	*	180	94	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Chrysene	**18**	**J**	36	9.9	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Fluoranthene	**16**	**J**	36	6.8	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Fluorene	<36		36	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Hexachlorocyclopentadiene	<740	*	740	210	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(7-15)-082514
Date Collected: 08/25/14 14:40
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-2
Matrix: Solid
Percent Solids: 86.5

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	12	J	36	9.5	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Phenanthrene	11	J	36	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Phenol	<180		180	81	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1
Pyrene	24	J	36	7.2	ug/Kg	☼	09/02/14 17:11	09/03/14 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 137*	*09/02/14 17:11*	*09/03/14 16:15*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*09/02/14 17:11*	*09/03/14 16:15*	*1*
2-Fluorophenol	*54*		*25 - 110*	*09/02/14 17:11*	*09/03/14 16:15*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*09/02/14 17:11*	*09/03/14 16:15*	*1*
Phenol-d5	*59*		*31 - 110*	*09/02/14 17:11*	*09/03/14 16:15*	*1*
Terphenyl-d14	*100*		*36 - 134*	*09/02/14 17:11*	*09/03/14 16:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/04/14 22:51	1
Barium	0.48	J	0.50	0.050	mg/L		09/04/14 08:30	09/04/14 22:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/04/14 22:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/04/14 22:51	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:51	1
Cobalt	0.017	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:51	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:51	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/04/14 22:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/04/14 22:51	1
Manganese	4.7		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:51	1
Nickel	0.020	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:51	1
Selenium	0.015	J B	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 22:51	1
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:51	1
Zinc	0.044	J	0.10	0.020	mg/L		09/04/14 08:30	09/04/14 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:19	1
Barium	0.39	J	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 18:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 18:19	1
Chromium	0.037		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:19	1
Copper	0.098		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:19	1
Iron	28		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 18:19	1
Lead	0.042		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 18:19	1
Manganese	0.47		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:19	1
Nickel	0.030		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:19	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:19	1

Client Sample ID: 55-17(7-15)-082514
Date Collected: 08/25/14 14:40
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-2
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		09/04/14 08:55	09/04/14 18:19	1
Zinc	**0.31**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 18:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Arsenic	**5.6**		0.56	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Barium	**50**		0.56	0.060	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Beryllium	**0.43**		0.23	0.045	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Cadmium	**0.15**		0.11	0.014	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Calcium	**74000**	**B**	110	31	mg/Kg	☼	09/03/14 10:10	09/05/14 05:21	10
Chromium	**11**	**B**	0.56	0.065	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Cobalt	**6.5**		0.28	0.056	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Copper	**13**		0.56	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Iron	**12000**		11	4.6	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Lead	**24**		0.28	0.084	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Magnesium	**33000**		5.6	1.2	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Manganese	**320**		0.56	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Nickel	**16**		0.56	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Potassium	**1200**		28	1.7	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Sodium	**650**	**B**	56	7.5	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Thallium	<0.56		0.56	0.24	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Vanadium	**18**		0.28	0.042	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1
Zinc	**47**	**B**	1.1	0.23	mg/Kg	☼	09/03/14 10:10	09/04/14 03:45	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		18	7.2	ug/Kg	☼	09/03/14 14:30	09/04/14 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.38**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(7-15)-082514D
Date Collected: 08/25/14 14:40
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-3
Matrix: Solid
Percent Solids: 85.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14		5.8	2.5	ug/Kg	☼		08/26/14 21:09	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		08/26/14 21:09	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 21:09	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		08/26/14 21:09	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		08/26/14 21:09	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		08/26/14 21:09	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/26/14 21:09	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/26/14 21:09	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		08/26/14 21:09	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		08/26/14 21:09	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 21:09	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		08/26/14 21:09	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		08/26/14 21:09	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 21:09	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/26/14 21:09	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/26/14 21:09	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		08/26/14 21:09	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		08/26/14 21:09	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		08/26/14 21:09	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 21:09	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 21:09	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/26/14 21:09	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/26/14 21:09	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/26/14 21:09	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/26/14 21:09	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		08/26/14 21:09	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 21:09	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		08/26/14 21:09	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		08/26/14 21:09	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/26/14 21:09	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 21:09	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/26/14 21:09	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		08/26/14 21:09	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		08/26/14 21:09	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 21:09	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/26/14 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/26/14 21:09*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*08/26/14 21:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*08/26/14 21:09*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/26/14 21:09*	*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	☼	09/02/14 17:11	09/03/14 16:36	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(7-15)-082514D
Date Collected: 08/25/14 14:40
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-3
Matrix: Solid
Percent Solids: 85.7

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	84	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
4-Chloroaniline	<740	*	740	170	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Anthracene	<36		36	6.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Benzo[a]pyrene	**9.3**	**J**	36	7.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Benzo[b]fluoranthene	**14**	**J**	36	7.9	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Carbazole	<180	*	180	95	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Chrysene	<36		36	10	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Fluoranthene	**8.3**	**J**	36	6.8	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Fluorene	<36		36	5.2	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Hexachlorocyclopentadiene	<740	*	740	210	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-17(7-15)-082514D
Date Collected: 08/25/14 14:40
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-3
Matrix: Solid
Percent Solids: 85.7

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	<36		36	9.5	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Phenanthrene	**8.7**	**J**	36	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Phenol	<180		180	81	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1
Pyrene	**13**	**J**	36	7.3	ug/Kg	☼	09/02/14 17:11	09/03/14 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*09/02/14 17:11*	*09/03/14 16:36*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*09/02/14 17:11*	*09/03/14 16:36*	*1*
2-Fluorophenol	*50*		*25 - 110*	*09/02/14 17:11*	*09/03/14 16:36*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*09/02/14 17:11*	*09/03/14 16:36*	*1*
Phenol-d5	*55*		*31 - 110*	*09/02/14 17:11*	*09/03/14 16:36*	*1*
Terphenyl-d14	*91*		*36 - 134*	*09/02/14 17:11*	*09/03/14 16:36*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/04/14 22:56	1
Barium	**0.76**		0.50	0.050	mg/L		09/04/14 08:30	09/04/14 22:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/04/14 22:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/04/14 22:56	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:56	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:56	1
Copper	**0.034**		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:56	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/04/14 22:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/04/14 22:56	1
Manganese	**5.3**		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:56	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:56	1
Selenium	**0.015**	**J B**	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 22:56	1
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 22:56	1
Zinc	**0.24**		0.10	0.020	mg/L		09/04/14 08:30	09/04/14 22:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:23	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 18:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 18:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 18:23	1
Chromium	**0.014**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:23	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:23	1
Copper	**0.065**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:23	1
Iron	**7.1**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 18:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 18:23	1
Manganese	**0.44**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:23	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:23	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:23	1

Client Sample ID: 55-17(7-15)-082514D
Date Collected: 08/25/14 14:40
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-3
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		09/04/14 08:55	09/04/14 18:23	1
Zinc	**0.25**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 18:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Arsenic	**5.9**		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Barium	**35**		0.54	0.057	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Beryllium	**0.36**		0.21	0.043	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Cadmium	**0.12**		0.11	0.014	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Calcium	**120000**	**B**	110	29	mg/Kg	☼	09/03/14 10:10	09/05/14 05:25	10
Chromium	**8.4**	**B**	0.54	0.062	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Cobalt	**5.5**		0.27	0.054	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Copper	**12**		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Iron	**12000**		11	4.4	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Lead	**20**		0.27	0.080	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Magnesium	**69000**		54	11	mg/Kg	☼	09/03/14 10:10	09/05/14 05:25	10
Manganese	**370**		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Nickel	**14**		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Potassium	**900**		27	1.6	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Selenium	**0.22**	**J**	0.54	0.19	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Sodium	**630**	**B**	54	7.2	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Vanadium	**15**		0.27	0.040	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	1
Zinc	**46**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:10	09/04/14 03:50	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		09/04/14 12:30	09/05/14 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		09/04/14 12:30	09/05/14 10:40	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	7.1	ug/Kg	☼	09/03/14 14:30	09/04/14 10:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.49**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(0-7)-082514
Date Collected: 08/25/14 15:05
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-4
Matrix: Solid
Percent Solids: 88.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	57		5.7	2.5	ug/Kg	☼		08/26/14 21:32	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/26/14 21:32	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/26/14 21:32	1
Bromoform	<5.7	*	5.7	1.3	ug/Kg	☼		08/26/14 21:32	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/26/14 21:32	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/26/14 21:32	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 21:32	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/26/14 21:32	1
Chloroethane	<5.7	*	5.7	1.5	ug/Kg	☼		08/26/14 21:32	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		08/26/14 21:32	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 21:32	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		08/26/14 21:32	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	☼		08/26/14 21:32	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/26/14 21:32	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/26/14 21:32	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/26/14 21:32	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/26/14 21:32	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		08/26/14 21:32	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	☼		08/26/14 21:32	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		08/26/14 21:32	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/26/14 21:32	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/26/14 21:32	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/26/14 21:32	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/26/14 21:32	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/26/14 21:32	1
Styrene	<5.7		5.7	0.74	ug/Kg	☼		08/26/14 21:32	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/26/14 21:32	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/26/14 21:32	1
Toluene	<5.7		5.7	0.79	ug/Kg	☼		08/26/14 21:32	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/26/14 21:32	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 21:32	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/26/14 21:32	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	☼		08/26/14 21:32	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		08/26/14 21:32	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 21:32	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/26/14 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/26/14 21:32*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/26/14 21:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*08/26/14 21:32*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/26/14 21:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(0-7)-082514
Date Collected: 08/25/14 15:05
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-4
Matrix: Solid
Percent Solids: 88.1

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	84	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Chloroaniline	<740	*	740	170	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Anthracene	**12**	**J**	36	6.1	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[a]anthracene	**73**		36	4.9	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[a]pyrene	**64**		36	7.1	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[b]fluoranthene	**95**		36	7.9	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[g,h,i]perylene	**60**		36	12	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[k]fluoranthene	**36**		36	11	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Carbazole	<180	*	180	95	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Chrysene	**80**		36	10	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Dibenz(a,h)anthracene	**13**	**J**	36	7.1	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Fluoranthene	**100**		36	6.8	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Fluorene	<36		36	5.2	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Hexachlorocyclopentadiene	<740	*	740	210	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1

Client Sample ID: 55-20(0-7)-082514
Date Collected: 08/25/14 15:05
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-4
Matrix: Solid
Percent Solids: 88.1

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	59		36	9.5	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Nitrobenzene	<36		36	9.2	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Phenanthrene	56		36	5.1	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Phenol	<180		180	81	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Pyrene	160		36	7.3	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*122*		*35 - 137*	*09/02/14 17:11*	*09/05/14 18:45*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*09/02/14 17:11*	*09/05/14 18:45*	*1*
2-Fluorophenol	*46*		*25 - 110*	*09/02/14 17:11*	*09/05/14 18:45*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*09/02/14 17:11*	*09/05/14 18:45*	*1*
Phenol-d5	*42*		*31 - 110*	*09/02/14 17:11*	*09/05/14 18:45*	*1*
Terphenyl-d14	*100*		*36 - 134*	*09/02/14 17:11*	*09/05/14 18:45*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Barium	0.59		0.50	0.050	mg/L		09/04/14 08:30	09/04/14 23:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/04/14 23:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/04/14 23:01	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Cobalt	0.021	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Copper	0.024	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/04/14 23:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/04/14 23:01	1
Manganese	4.9		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Nickel	0.017	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Selenium	0.017	J B	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Zinc	0.24		0.10	0.020	mg/L		09/04/14 08:30	09/04/14 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Barium	0.43	J	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 18:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 18:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 18:27	1
Chromium	0.053		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Cobalt	0.011	J	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Copper	0.086		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Iron	44		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 18:27	1
Lead	0.094		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 18:27	1
Manganese	0.57		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Nickel	0.042		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1

Client Sample ID: 55-20(0-7)-082514
Date Collected: 08/25/14 15:05
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-4
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		09/04/14 08:55	09/04/14 18:27	1
Zinc	**0.36**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 18:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Arsenic	**4.4**		0.55	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Barium	**40**		0.55	0.059	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Beryllium	**0.44**		0.22	0.044	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Cadmium	**0.26**		0.11	0.014	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Calcium	**82000**	**B**	110	30	mg/Kg	☼	09/03/14 10:10	09/05/14 05:29	10
Chromium	**10**	**B**	0.55	0.064	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Cobalt	**7.0**		0.28	0.055	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Copper	**12**		0.55	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Iron	**12000**		11	4.5	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Lead	**60**		0.28	0.082	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Magnesium	**37000**		5.5	1.1	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Manganese	**290**		0.55	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Nickel	**15**		0.55	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Potassium	**1300**		28	1.7	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Selenium	**0.22**	**J**	0.55	0.20	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Sodium	**750**	**B**	55	7.4	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Thallium	<0.55		0.55	0.23	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Vanadium	**17**		0.28	0.041	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Zinc	**55**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 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		09/04/14 12:30	09/05/14 10:42	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	7.1	ug/Kg	☼	09/03/14 14:30	09/04/14 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.25**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(7-15)-082514
Date Collected: 08/25/14 15:10
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-5
Matrix: Solid
Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		08/26/14 21:55	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 21:55	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 21:55	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		08/26/14 21:55	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 21:55	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 21:55	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/26/14 21:55	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/26/14 21:55	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		08/26/14 21:55	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		08/26/14 21:55	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 21:55	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/26/14 21:55	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 21:55	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 21:55	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/26/14 21:55	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 21:55	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		08/26/14 21:55	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/26/14 21:55	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 21:55	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 21:55	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 21:55	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/26/14 21:55	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/26/14 21:55	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/26/14 21:55	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/26/14 21:55	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 21:55	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 21:55	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		08/26/14 21:55	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/26/14 21:55	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/26/14 21:55	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 21:55	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 21:55	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 21:55	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		08/26/14 21:55	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 21:55	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		08/26/14 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/26/14 21:55*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*08/26/14 21:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*08/26/14 21:55*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/26/14 21:55*	*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	☼	09/02/14 17:11	09/03/14 17:18	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(7-15)-082514
Date Collected: 08/25/14 15:10
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-5
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Methylnaphthalene	**11**	**J**	36	6.7	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Chloroaniline	<730	*	730	170	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Anthracene	**25**	**J**	36	6.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[a]anthracene	**110**		36	4.9	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[a]pyrene	**120**		36	7.0	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[b]fluoranthene	**170**		36	7.8	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[k]fluoranthene	**91**		36	11	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Carbazole	<180	*	180	94	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Chrysene	**130**		36	9.9	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Fluoranthene	**200**		36	6.7	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Fluorene	**12**	**J**	36	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Hexachlorocyclopentadiene	<730	*	730	210	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(7-15)-082514
Date Collected: 08/25/14 15:10
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-5
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	59		36	9.4	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Phenanthrene	110		36	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Phenol	<180		180	81	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Pyrene	230		36	7.2	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*09/02/14 17:11*	*09/03/14 17:18*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*09/02/14 17:11*	*09/03/14 17:18*	*1*
2-Fluorophenol	*53*		*25 - 110*	*09/02/14 17:11*	*09/03/14 17:18*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/02/14 17:11*	*09/03/14 17:18*	*1*
Phenol-d5	*53*		*31 - 110*	*09/02/14 17:11*	*09/03/14 17:18*	*1*
Terphenyl-d14	*80*		*36 - 134*	*09/02/14 17:11*	*09/03/14 17:18*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Barium	0.58		0.50	0.050	mg/L		09/04/14 08:30	09/04/14 23:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/04/14 23:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/04/14 23:06	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Copper	0.015	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/04/14 23:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/04/14 23:06	1
Manganese	1.8		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Selenium	0.013	J B	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Zinc	0.25		0.10	0.020	mg/L		09/04/14 08:30	09/04/14 23:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Barium	0.41	J	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 18:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 18:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 18:31	1
Chromium	0.027		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Copper	0.057		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Iron	19		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 18:31	1
Lead	0.049		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 18:31	1
Manganese	0.69		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Nickel	0.023	J	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1

Client Sample ID: 55-20(7-15)-082514
Date Collected: 08/25/14 15:10
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82945-5
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		09/04/14 08:55	09/04/14 18:31	1
Zinc	**0.27**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 18:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Arsenic	**4.5**		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Barium	**44**		0.54	0.057	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Beryllium	**0.43**		0.21	0.043	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Cadmium	**0.13**		0.11	0.014	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Calcium	**84000**	**B**	110	29	mg/Kg	☼	09/03/14 10:10	09/05/14 05:33	10
Chromium	**11**	**B**	0.54	0.062	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Cobalt	**6.5**		0.27	0.054	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Copper	**12**		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Iron	**11000**		11	4.4	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Lead	**22**		0.27	0.080	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Magnesium	**37000**		5.4	1.1	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Manganese	**370**		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Nickel	**15**		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Potassium	**1100**		27	1.6	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Selenium	**0.29**	**J**	0.54	0.19	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Sodium	**410**	**B**	54	7.2	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Vanadium	**18**		0.27	0.040	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Zinc	**43**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 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		09/04/14 12:30	09/05/14 10:44	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**		19	7.3	ug/Kg	☼	09/03/14 14:30	09/04/14 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.04**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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 - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica
THE LEADER IN ENVIRO
2417 Bond Street, University
Phone: 708.534.5200 Fa

500-82945 COC

(optional)
Report To
Contact: S. Balmukkunan
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
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 #: 500-82945
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 3.9

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / 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
1		SS-17 (0-7)-082514	8-25-14	1435	2	S		X	X	X	X	X	
2		SS-17 (7-15)-082514		1440									
3		SS-17 (7-15)-082514D		1440									
4		SS-20 (0-7)-082514		1505									
5		SS-20 (7-15)-082514		1510									
6		MM-1 (0-4)-082514	8-25-14	1520	2	S		X	X	X	X	X	

T. Walls 8-25-14

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
T. Walls	Weston	8-25-14	1600	P. Neal	TA	8/25/14	1600
P. Neal	TA	8/25/14	1645	JCA	TA	8/26/14	0630

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

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-83013-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
9/10/2014 5:08:36 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(0-5)-082614
Date Collected: 08/26/14 08:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-4
Matrix: Solid
Percent Solids: 90.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**45**		5.5	2.4	ug/Kg	☼		08/28/14 19:29	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		08/28/14 19:29	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/28/14 19:29	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/28/14 19:29	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/28/14 19:29	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:29	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/28/14 19:29	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/28/14 19:29	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/28/14 19:29	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		08/28/14 19:29	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/28/14 19:29	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/28/14 19:29	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:29	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/28/14 19:29	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/28/14 19:29	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:29	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	☼		08/28/14 19:29	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		08/28/14 19:29	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:29	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:29	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/28/14 19:29	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/28/14 19:29	1
Methyl Ethyl Ketone	**8.4**		5.5	2.0	ug/Kg	☼		08/28/14 19:29	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/28/14 19:29	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	☼		08/28/14 19:29	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:29	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:29	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	☼		08/28/14 19:29	1
Toluene	<5.5		5.5	0.77	ug/Kg	☼		08/28/14 19:29	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/28/14 19:29	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		08/28/14 19:29	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:29	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	☼		08/28/14 19:29	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	☼		08/28/14 19:29	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/28/14 19:29	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/28/14 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/28/14 19:29*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/28/14 19:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*08/28/14 19:29*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/28/14 19:29*	*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	☼	09/03/14 16:55	09/05/14 23:30	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(0-5)-082614
Date Collected: 08/26/14 08:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-4
Matrix: Solid
Percent Solids: 90.7

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	79	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,6-Dinitrotoluene	<180		180	68	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Chloronaphthalene	<180		180	38	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Chlorophenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Methylnaphthalene	**25**	**J**	35	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Acenaphthene	**40**		35	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Acenaphthylene	**29**	**J**	35	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Anthracene	**50**		35	5.8	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[a]anthracene	**160**		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[a]pyrene	**190**		35	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[b]fluoranthene	**180**		35	7.5	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[g,h,i]perylene	**170**		35	11	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[k]fluoranthene	**170**		35	10	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Carbazole	<180		180	90	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Chrysene	**190**		35	9.5	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Fluoranthene	**420**		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Fluorene	**49**		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(0-5)-082614
Date Collected: 08/26/14 08:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-4
Matrix: Solid
Percent Solids: 90.7

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	120		35	9.0	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Isophorone	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Naphthalene	27	J	35	5.4	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Phenanthrene	210		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Phenol	<180		180	77	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Pyrene	380		35	6.9	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*103*		*35 - 137*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
2-Fluorobiphenyl	*72*		*25 - 119*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
2-Fluorophenol	*84*		*25 - 110*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
Phenol-d5	*80*		*31 - 110*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
Terphenyl-d14	*115*		*36 - 134*	*09/03/14 16:55*	*09/05/14 23:30*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Barium	0.41	J	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Cobalt	0.014	J	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Copper	0.037		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:09	1
Lead	0.010		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:09	1
Manganese	4.6		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Nickel	0.024	J	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Zinc	0.19		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:09	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		09/04/14 08:30	09/05/14 00:13	1
Barium	0.11	J	0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:13	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Copper	0.024	J	0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Iron	4.0		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:13	1
Lead	0.053		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:13	1
Manganese	0.36		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1

Client Sample ID: 55-2(0-5)-082614
Date Collected: 08/26/14 08:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-4
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		09/04/14 08:30	09/05/14 00:13	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Arsenic	**4.5**		0.55	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Barium	**30**		0.55	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Beryllium	**0.31**		0.22	0.044	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Cadmium	**0.31**		0.11	0.014	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Calcium	**150000**	**B**	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 21:30	10
Chromium	**8.2**		0.55	0.063	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Cobalt	**3.6**		0.27	0.055	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Copper	**11**		0.55	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Iron	**13000**		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 21:30	10
Lead	**21**		0.27	0.081	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Magnesium	**83000**	**B**	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 21:30	10
Manganese	**390**		0.55	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Nickel	**8.5**		0.55	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Potassium	**1500**		27	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Selenium	<0.55		0.55	0.19	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Sodium	**1700**		55	7.3	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Thallium	**0.47**	**J**	0.55	0.23	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Vanadium	**14**	**B**	0.27	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Zinc	**27**		1.1	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	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		09/08/14 12:00	09/09/14 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		18	6.9	ug/Kg	☼	09/04/14 15:00	09/05/14 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.27**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(5-10)-082614
Date Collected: 08/26/14 09:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-5
Matrix: Solid
Percent Solids: 91.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	67		5.5	2.4	ug/Kg	☼		08/28/14 19:53	1
Benzene	<5.5		5.5	0.75	ug/Kg	☼		08/28/14 19:53	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		08/28/14 19:53	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/28/14 19:53	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/28/14 19:53	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:53	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/28/14 19:53	1
Chlorobenzene	<5.5		5.5	0.55	ug/Kg	☼		08/28/14 19:53	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/28/14 19:53	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		08/28/14 19:53	1
Chloromethane	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:53	1
cis-1,2-Dichloroethene	<5.5		5.5	0.77	ug/Kg	☼		08/28/14 19:53	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:53	1
Dibromochloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/28/14 19:53	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/28/14 19:53	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/28/14 19:53	1
1,1-Dichloroethene	<5.5		5.5	0.88	ug/Kg	☼		08/28/14 19:53	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	☼		08/28/14 19:53	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:53	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:53	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/28/14 19:53	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/28/14 19:53	1
Methyl Ethyl Ketone	15		5.5	2.0	ug/Kg	☼		08/28/14 19:53	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/28/14 19:53	1
Methyl tert-butyl ether	<5.5		5.5	0.90	ug/Kg	☼		08/28/14 19:53	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:53	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:53	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	☼		08/28/14 19:53	1
Toluene	<5.5		5.5	0.77	ug/Kg	☼		08/28/14 19:53	1
trans-1,2-Dichloroethene	<5.5		5.5	0.75	ug/Kg	☼		08/28/14 19:53	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	☼		08/28/14 19:53	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:53	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	☼		08/28/14 19:53	1
Trichloroethene	<5.5		5.5	0.90	ug/Kg	☼		08/28/14 19:53	1
Vinyl chloride	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:53	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/28/14 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/28/14 19:53*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/28/14 19:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/28/14 19:53*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/28/14 19:53*	*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	☼	09/03/14 16:55	09/08/14 16:16	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(5-10)-082614
Date Collected: 08/26/14 09:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-5
Matrix: Solid
Percent Solids: 91.4

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	80	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Methylnaphthalene	**41**		35	6.5	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Acenaphthene	**78**		35	6.3	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Anthracene	**85**		35	5.9	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[a]anthracene	**94**		35	4.7	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[a]pyrene	**71**		35	6.8	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[b]fluoranthene	**98**		35	7.6	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[g,h,i]perylene	**55**		35	11	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[k]fluoranthene	**59**		35	10	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Carbazole	<180		180	91	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Chrysene	**99**		35	9.6	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Dibenz(a,h)anthracene	**11**	**J**	35	6.8	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Dibenzofuran	**79**	**J**	180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Fluoranthene	**360**		35	6.5	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Fluorene	**38**		35	4.9	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(5-10)-082614
Date Collected: 08/26/14 09:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-5
Matrix: Solid
Percent Solids: 91.4

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	**45**		35	9.1	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Isophorone	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Naphthalene	**110**		35	5.4	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Phenanthrene	**410**		35	4.9	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Phenol	<180		180	78	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Pyrene	**260**		35	7.0	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*48*		*35 - 137*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
2-Fluorobiphenyl	*42*		*25 - 119*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
2-Fluorophenol	*47*		*25 - 110*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
Phenol-d5	*49*		*31 - 110*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
Terphenyl-d14	*52*		*36 - 134*	*09/03/14 16:55*	*09/08/14 16:16*	*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		09/06/14 08:35	09/08/14 17:16	1
Barium	**0.54**		0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:16	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Iron	**0.23**		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:16	1
Lead	**0.011**		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:16	1
Manganese	**5.3**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Zinc	**0.22**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Barium	**0.099**	**J**	0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Iron	**2.3**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:17	1
Lead	**0.030**		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:17	1
Manganese	**0.21**		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1

Client Sample ID: 55-2(5-10)-082614
Date Collected: 08/26/14 09:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-5
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		09/04/14 08:30	09/05/14 00:17	1
Zinc	**0.090**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.40	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Arsenic	**3.0**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Barium	**19**		0.50	0.054	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Beryllium	**0.22**		0.20	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Cadmium	**0.19**		0.10	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Calcium	**110000**	**B**	100	28	mg/Kg	☼	09/08/14 18:00	09/09/14 21:42	10
Chromium	**5.5**		0.50	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Cobalt	**2.5**		0.25	0.050	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Copper	**7.4**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Iron	**13000**		100	42	mg/Kg	☼	09/08/14 18:00	09/09/14 21:42	10
Lead	**10**		0.25	0.075	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Magnesium	**57000**	**B**	51	11	mg/Kg	☼	09/08/14 18:00	09/09/14 21:42	10
Manganese	**300**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Nickel	**5.9**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Potassium	**1200**		25	1.5	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Silver	<0.25		0.25	0.018	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Sodium	**800**		50	6.7	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Thallium	**0.37**	**J**	0.50	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Vanadium	**11**	**B**	0.25	0.037	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Zinc	**17**		1.0	0.20	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 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	**7.1**	**J**	17	6.7	ug/Kg	☼	09/04/14 15:00	09/05/14 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.93**		0.200	0.200	SU			08/29/14 19:33	1

Client Sample ID: 55-21(0-5)-082614
Date Collected: 08/26/14 09:10
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-6
Matrix: Solid
Percent Solids: 90.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.6		5.5	2.4	ug/Kg	☼		08/29/14 08:24	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 08:24	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/29/14 08:24	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/29/14 08:24	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/29/14 08:24	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	☼		08/29/14 08:24	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/29/14 08:24	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/29/14 08:24	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 08:24	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		08/29/14 08:24	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/29/14 08:24	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/29/14 08:24	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 08:24	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/29/14 08:24	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/29/14 08:24	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/29/14 08:24	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	☼		08/29/14 08:24	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		08/29/14 08:24	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 08:24	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 08:24	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/29/14 08:24	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 08:24	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/29/14 08:24	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/29/14 08:24	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	☼		08/29/14 08:24	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 08:24	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 08:24	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	☼		08/29/14 08:24	1
Toluene	<5.5		5.5	0.77	ug/Kg	☼		08/29/14 08:24	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 08:24	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		08/29/14 08:24	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/29/14 08:24	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	☼		08/29/14 08:24	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	☼		08/29/14 08:24	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/29/14 08:24	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/29/14 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/29/14 08:24*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/29/14 08:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*08/29/14 08:24*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/29/14 08:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<890		890	190	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
1,2-Dichlorobenzene	<890		890	210	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
1,3-Dichlorobenzene	<890		890	200	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
1,4-Dichlorobenzene	<890		890	230	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2,2'-oxybis[1-chloropropane]	<890		890	210	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-21(0-5)-082614
Date Collected: 08/26/14 09:10
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-6
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	400	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2,4,6-Trichlorophenol	<1800		1800	610	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2,4-Dichlorophenol	<1800		1800	420	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2,4-Dimethylphenol	<1800		1800	670	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2,4-Dinitrophenol	<3600		3600	3100	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2,4-Dinitrotoluene	<890		890	280	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2,6-Dinitrotoluene	<890		890	350	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2-Chloronaphthalene	<890		890	200	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2-Chlorophenol	<890		890	300	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2-Methylnaphthalene	<180		180	33	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2-Methylphenol	<890		890	280	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2-Nitroaniline	<890		890	240	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
2-Nitrophenol	<1800		1800	420	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
3 & 4 Methylphenol	<890		890	300	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
3,3'-Dichlorobenzidine	<890		890	250	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
3-Nitroaniline	<1800		1800	550	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
4,6-Dinitro-2-methylphenol	<1800		1800	1400	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
4-Bromophenyl phenyl ether	<890		890	230	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
4-Chloro-3-methylphenol	<1800		1800	600	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
4-Chloroaniline	<3600		3600	830	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
4-Chlorophenyl phenyl ether	<890		890	210	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
4-Nitroaniline	<1800		1800	740	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
4-Nitrophenol	<3600		3600	1700	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Acenaphthene	<180		180	32	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Acenaphthylene	<180		180	23	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Anthracene	<180		180	30	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Benzo[a]anthracene	<180		180	24	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Benzo[a]pyrene	<180		180	34	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Benzo[b]fluoranthene	<180		180	38	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Benzo[g,h,i]perylene	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Benzo[k]fluoranthene	<180		180	52	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Bis(2-chloroethoxy)methane	<890		890	180	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Bis(2-chloroethyl)ether	<890		890	270	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Bis(2-ethylhexyl) phthalate	<890		890	320	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Butyl benzyl phthalate	<890		890	340	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Carbazole	<890		890	460	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Chrysene	<180		180	48	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Dibenz(a,h)anthracene	<180		180	34	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Dibenzofuran	<890		890	210	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Diethyl phthalate	<890		890	300	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Dimethyl phthalate	<890		890	230	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Di-n-butyl phthalate	<890		890	270	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Di-n-octyl phthalate	<890		890	290	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Fluoranthene	<180		180	33	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Fluorene	<180		180	25	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Hexachlorobenzene	<360		360	41	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Hexachlorobutadiene	<890		890	280	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Hexachlorocyclopentadiene	<3600		3600	1000	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Hexachloroethane	<890		890	270	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-21(0-5)-082614
Date Collected: 08/26/14 09:10
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-6
Matrix: Solid
Percent Solids: 90.7

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	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Isophorone	<890		890	200	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Naphthalene	<180		180	27	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Nitrobenzene	<180		180	44	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
N-Nitrosodi-n-propylamine	<890		890	220	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
N-Nitrosodiphenylamine	<890		890	210	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Pentachlorophenol	<3600		3600	2800	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Phenanthrene	<180		180	25	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Phenol	<890		890	390	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5
Pyrene	<180		180	35	ug/Kg	☼	09/03/14 16:55	09/06/14 00:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*35 - 137*	*09/03/14 16:55*	*09/06/14 00:05*	*5*
2-Fluorobiphenyl	*75*		*25 - 119*	*09/03/14 16:55*	*09/06/14 00:05*	*5*
2-Fluorophenol	*142*	*X*	*25 - 110*	*09/03/14 16:55*	*09/06/14 00:05*	*5*
Nitrobenzene-d5	*51*		*25 - 115*	*09/03/14 16:55*	*09/06/14 00:05*	*5*
Phenol-d5	*96*		*31 - 110*	*09/03/14 16:55*	*09/06/14 00:05*	*5*
Terphenyl-d14	*110*		*36 - 134*	*09/03/14 16:55*	*09/06/14 00:05*	*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		09/06/14 08:35	09/08/14 17:22	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:22	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:22	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:22	1
Copper	**0.069**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:22	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:22	1
Manganese	**1.4**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:22	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:22	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:22	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:22	1
Zinc	**0.21**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:22	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		09/04/14 08:30	09/05/14 00:21	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:21	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:21	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:21	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:21	1
Iron	**0.82**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:21	1
Manganese	**0.075**		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:21	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:21	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:21	1

Client Sample ID: 55-21(0-5)-082614
Date Collected: 08/26/14 09:10
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-6
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		09/04/14 08:30	09/05/14 00:21	1
Zinc	**0.046**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Arsenic	**3.4**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Barium	**23**		0.52	0.055	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Beryllium	**0.26**		0.21	0.041	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Cadmium	**0.23**		0.10	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Calcium	**97000**	**B**	100	28	mg/Kg	☼	09/08/14 18:00	09/09/14 21:46	10
Chromium	**6.4**		0.52	0.060	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Cobalt	**3.0**		0.26	0.052	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Copper	**8.9**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Iron	**13000**		100	43	mg/Kg	☼	09/08/14 18:00	09/09/14 21:46	10
Lead	**7.0**		0.26	0.077	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Magnesium	**55000**	**B**	52	11	mg/Kg	☼	09/08/14 18:00	09/09/14 21:46	10
Manganese	**310**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Nickel	**7.3**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Potassium	**1500**		26	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Selenium	<0.52		0.52	0.18	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Sodium	**690**		52	6.9	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Thallium	**0.25**	**J**	0.52	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Vanadium	**11**	**B**	0.26	0.038	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	1
Zinc	**18**		1.0	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 03:49	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		09/08/14 12:00	09/09/14 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:41	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	**11**	**J**	16	6.2	ug/Kg	☼	09/04/14 15:00	09/05/14 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.55**		0.200	0.200	SU			08/29/14 19:33	1

Client Sample ID: 55-21(5-10)-082614
Date Collected: 08/26/14 09:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-7
Matrix: Solid
Percent Solids: 95.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/28/14 23:35	1
Benzene	<5.3		5.3	0.72	ug/Kg	☼		08/28/14 23:35	1
Bromodichloromethane	<5.3		5.3	0.90	ug/Kg	☼		08/28/14 23:35	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/28/14 23:35	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/28/14 23:35	1
Carbon disulfide	<5.3		5.3	0.78	ug/Kg	☼		08/28/14 23:35	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/28/14 23:35	1
Chlorobenzene	<5.3		5.3	0.53	ug/Kg	☼		08/28/14 23:35	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/28/14 23:35	1
Chloroform	<5.3		5.3	0.60	ug/Kg	☼		08/28/14 23:35	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/28/14 23:35	1
cis-1,2-Dichloroethene	<5.3		5.3	0.74	ug/Kg	☼		08/28/14 23:35	1
cis-1,3-Dichloropropene	<5.3		5.3	0.69	ug/Kg	☼		08/28/14 23:35	1
Dibromochloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/28/14 23:35	1
1,1-Dichloroethane	<5.3		5.3	0.83	ug/Kg	☼		08/28/14 23:35	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/28/14 23:35	1
1,1-Dichloroethene	<5.3		5.3	0.85	ug/Kg	☼		08/28/14 23:35	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/28/14 23:35	1
1,3-Dichloropropene, Total	<5.3		5.3	0.69	ug/Kg	☼		08/28/14 23:35	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/28/14 23:35	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/28/14 23:35	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/28/14 23:35	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/28/14 23:35	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/28/14 23:35	1
Methyl tert-butyl ether	<5.3		5.3	0.87	ug/Kg	☼		08/28/14 23:35	1
Styrene	<5.3		5.3	0.69	ug/Kg	☼		08/28/14 23:35	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/28/14 23:35	1
Tetrachloroethene	<5.3		5.3	0.80	ug/Kg	☼		08/28/14 23:35	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/28/14 23:35	1
trans-1,2-Dichloroethene	<5.3		5.3	0.72	ug/Kg	☼		08/28/14 23:35	1
trans-1,3-Dichloropropene	<5.3		5.3	0.94	ug/Kg	☼		08/28/14 23:35	1
1,1,1-Trichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/28/14 23:35	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/28/14 23:35	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/28/14 23:35	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/28/14 23:35	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/28/14 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/28/14 23:35*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/28/14 23:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/28/14 23:35*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/28/14 23:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-21(5-10)-082614
Date Collected: 08/26/14 09:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-7
Matrix: Solid
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2,4-Dichlorophenol	<340		340	81	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2,4-Dinitrophenol	<690		690	600	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2-Methylphenol	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Anthracene	<34		34	5.7	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Benzo[a]anthracene	<34		34	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Benzo[a]pyrene	<34		34	6.6	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Benzo[b]fluoranthene	<34		34	7.4	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Carbazole	<170		170	89	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Chrysene	<34		34	9.3	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Fluoranthene	<34		34	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Hexachlorobenzene	<69		69	7.9	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Hexachloroethane	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-21(5-10)-082614
Date Collected: 08/26/14 09:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-7
Matrix: Solid
Percent Solids: 95.2

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	<34		34	8.9	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Isophorone	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Phenanthrene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Phenol	<170		170	76	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1
Pyrene	<34		34	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 137*	*09/03/14 16:55*	*09/05/14 20:53*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*09/03/14 16:55*	*09/05/14 20:53*	*1*
2-Fluorophenol	*78*		*25 - 110*	*09/03/14 16:55*	*09/05/14 20:53*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*09/03/14 16:55*	*09/05/14 20:53*	*1*
Phenol-d5	*71*		*31 - 110*	*09/03/14 16:55*	*09/05/14 20:53*	*1*
Terphenyl-d14	*100*		*36 - 134*	*09/03/14 16:55*	*09/05/14 20:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:28	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:28	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:28	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:28	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:28	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:28	1
Manganese	**1.1**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:28	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:28	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:28	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:28	1
Zinc	**0.21**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:25	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:25	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:25	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:25	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:25	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:25	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:25	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:25	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:25	1

Client Sample ID: 55-21(5-10)-082614
Date Collected: 08/26/14 09:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-7
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		09/04/14 08:30	09/05/14 00:25	1
Zinc	0.022	J B	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.41	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Arsenic	4.3		0.51	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Barium	7.5		0.51	0.055	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Beryllium	0.17	J	0.20	0.041	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Cadmium	0.26		0.10	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Calcium	150000	B	97	26	mg/Kg	☼	09/08/14 18:00	09/09/14 21:50	10
Chromium	4.8		0.51	0.059	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Cobalt	2.2		0.26	0.051	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Copper	10		0.51	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Iron	9300		97	40	mg/Kg	☼	09/08/14 18:00	09/09/14 21:50	10
Lead	5.0		0.26	0.076	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Magnesium	84000	B	49	10	mg/Kg	☼	09/08/14 18:00	09/09/14 21:50	10
Manganese	290		0.51	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Nickel	5.5		0.51	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Potassium	880		26	1.5	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Selenium	<0.51		0.51	0.18	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Silver	0.037	J B	0.26	0.018	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Sodium	540		51	6.8	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Thallium	0.22	J	0.51	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Vanadium	7.5	B	0.26	0.038	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	1
Zinc	18		1.0	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 03:56	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		09/08/14 12:00	09/09/14 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:43	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	8.7	J	16	6.3	ug/Kg	☼	09/04/14 15:00	09/05/14 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.74		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-21(5-10)-082614D
Date Collected: 08/26/14 09:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-8
Matrix: Solid
Percent Solids: 94.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/28/14 23:59	1
Benzene	<5.3		5.3	0.72	ug/Kg	☼		08/28/14 23:59	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/28/14 23:59	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/28/14 23:59	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/28/14 23:59	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/28/14 23:59	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/28/14 23:59	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/28/14 23:59	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/28/14 23:59	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/28/14 23:59	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/28/14 23:59	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/28/14 23:59	1
cis-1,3-Dichloropropene	<5.3		5.3	0.69	ug/Kg	☼		08/28/14 23:59	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/28/14 23:59	1
1,1-Dichloroethane	<5.3		5.3	0.83	ug/Kg	☼		08/28/14 23:59	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/28/14 23:59	1
1,1-Dichloroethene	<5.3		5.3	0.85	ug/Kg	☼		08/28/14 23:59	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/28/14 23:59	1
1,3-Dichloropropene, Total	<5.3		5.3	0.69	ug/Kg	☼		08/28/14 23:59	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/28/14 23:59	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/28/14 23:59	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/28/14 23:59	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/28/14 23:59	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/28/14 23:59	1
Methyl tert-butyl ether	<5.3		5.3	0.87	ug/Kg	☼		08/28/14 23:59	1
Styrene	<5.3		5.3	0.69	ug/Kg	☼		08/28/14 23:59	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/28/14 23:59	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/28/14 23:59	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/28/14 23:59	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/28/14 23:59	1
trans-1,3-Dichloropropene	<5.3		5.3	0.95	ug/Kg	☼		08/28/14 23:59	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/28/14 23:59	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/28/14 23:59	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/28/14 23:59	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/28/14 23:59	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/28/14 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*08/28/14 23:59*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*08/28/14 23:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*08/28/14 23:59*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/28/14 23:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-21(5-10)-082614D
Date Collected: 08/26/14 09:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-8
Matrix: Solid
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	79	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2-Methylnaphthalene	<34		34	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2-Methylphenol	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
2-Nitrophenol	<340		340	82	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Acenaphthylene	<34		34	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Anthracene	<34		34	5.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Benzo[a]anthracene	<34		34	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Benzo[a]pyrene	<34		34	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Benzo[b]fluoranthene	<34		34	7.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Carbazole	<170		170	89	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Chrysene	<34		34	9.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Dibenz(a,h)anthracene	<34		34	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Fluoranthene	<34		34	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Fluorene	<34		34	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Hexachloroethane	<170		170	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-21(5-10)-082614D
Date Collected: 08/26/14 09:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-8
Matrix: Solid
Percent Solids: 94.7

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	<34		34	9.0	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Isophorone	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Pentachlorophenol	<700		700	550	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Phenanthrene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Phenol	<170		170	77	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1
Pyrene	<34		34	6.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*09/03/14 16:55*	*09/05/14 21:10*	*1*
2-Fluorobiphenyl	*66*		*25 - 119*	*09/03/14 16:55*	*09/05/14 21:10*	*1*
2-Fluorophenol	*87*		*25 - 110*	*09/03/14 16:55*	*09/05/14 21:10*	*1*
Nitrobenzene-d5	*54*		*25 - 115*	*09/03/14 16:55*	*09/05/14 21:10*	*1*
Phenol-d5	*77*		*31 - 110*	*09/03/14 16:55*	*09/05/14 21:10*	*1*
Terphenyl-d14	*113*		*36 - 134*	*09/03/14 16:55*	*09/05/14 21:10*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:34	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:34	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:34	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:34	1
Copper	**0.085**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:34	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:34	1
Manganese	**3.6**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:34	1
Nickel	**0.030**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:34	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:34	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:34	1
Zinc	**0.21**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:29	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:29	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:29	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:29	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:29	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:29	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:29	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:29	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:29	1

Client Sample ID: 55-21(5-10)-082614D
Date Collected: 08/26/14 09:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-8
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		09/04/14 08:30	09/05/14 00:29	1
Zinc	0.24	B	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.98		0.98	0.40	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Arsenic	3.7		0.49	0.098	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Barium	7.8		0.49	0.053	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Beryllium	0.17	J	0.20	0.039	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Cadmium	0.20		0.098	0.012	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Calcium	98000	B	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 21:55	10
Chromium	6.1		0.49	0.057	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Cobalt	4.9		0.25	0.049	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Copper	26		0.49	0.098	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Iron	5500		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 21:55	10
Lead	8.7		0.25	0.073	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Magnesium	54000	B	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 21:55	10
Manganese	260		0.49	0.098	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Nickel	9.9		0.49	0.098	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Potassium	820		25	1.5	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Selenium	<0.49		0.49	0.17	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Silver	0.051	J B	0.25	0.018	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Sodium	480		49	6.6	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Thallium	0.27	J	0.49	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Vanadium	7.6	B	0.25	0.036	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	1
Zinc	23		0.98	0.20	mg/Kg	☼	09/04/14 09:40	09/05/14 04:02	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		09/08/14 12:00	09/09/14 10:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:53	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	11	J	16	6.4	ug/Kg	☼	09/04/14 15:00	09/05/14 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.77		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(0-5)-082614
Date Collected: 08/26/14 09:40
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-9
Matrix: Solid
Percent Solids: 87.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		08/29/14 00:23	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 00:23	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/29/14 00:23	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		08/29/14 00:23	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/29/14 00:23	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/29/14 00:23	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/29/14 00:23	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/29/14 00:23	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		08/29/14 00:23	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		08/29/14 00:23	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 00:23	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		08/29/14 00:23	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 00:23	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/29/14 00:23	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/29/14 00:23	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/29/14 00:23	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/29/14 00:23	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		08/29/14 00:23	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 00:23	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 00:23	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/29/14 00:23	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 00:23	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/29/14 00:23	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 00:23	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/29/14 00:23	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 00:23	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 00:23	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/29/14 00:23	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		08/29/14 00:23	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 00:23	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/29/14 00:23	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/29/14 00:23	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 00:23	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		08/29/14 00:23	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 00:23	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		08/29/14 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/29/14 00:23*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/29/14 00:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*08/29/14 00:23*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 00:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(0-5)-082614
Date Collected: 08/26/14 09:40
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-9
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Anthracene	<37		37	6.3	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[a]pyrene	**23**	**J**	37	7.3	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[b]fluoranthene	**15**	**J**	37	8.1	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[k]fluoranthene	**14**	**J**	37	11	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Carbazole	<190		190	97	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Chrysene	<37		37	10	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Fluoranthene	**14**	**J**	37	6.9	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Fluorene	<37		37	5.3	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(0-5)-082614
Date Collected: 08/26/14 09:40
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-9
Matrix: Solid
Percent Solids: 87.7

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	<37		37	9.7	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Isophorone	<190		190	42	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Phenanthrene	**7.5**	**J**	37	5.2	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Phenol	<190		190	83	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Pyrene	<37		37	7.4	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
2-Fluorophenol	*74*		*25 - 110*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
Phenol-d5	*68*		*31 - 110*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
Terphenyl-d14	*103*		*36 - 134*	*09/03/14 16:55*	*09/06/14 00:23*	*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		09/06/14 08:35	09/08/14 17:41	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Copper	**0.027**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:41	1
Manganese	**0.76**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Zinc	**0.22**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:33	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Iron	**1.2**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:33	1
Manganese	**0.032**		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1

Client Sample ID: 55-22(0-5)-082614
Date Collected: 08/26/14 09:40
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-9
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		09/04/14 08:30	09/05/14 00:33	1
Zinc	**0.034**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.42	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Arsenic	**3.7**		0.53	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Barium	**19**		0.53	0.056	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Beryllium	**0.23**		0.21	0.042	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Cadmium	**0.23**		0.11	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Calcium	**140000**	**B**	110	29	mg/Kg	☼	09/08/14 18:00	09/09/14 21:59	10
Chromium	**7.0**		0.53	0.061	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Cobalt	**3.2**		0.26	0.053	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Copper	**10**		0.53	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Iron	**14000**		110	44	mg/Kg	☼	09/08/14 18:00	09/09/14 21:59	10
Lead	**8.6**		0.26	0.078	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Magnesium	**73000**	**B**	54	11	mg/Kg	☼	09/08/14 18:00	09/09/14 21:59	10
Manganese	**290**		0.53	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Nickel	**7.4**		0.53	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Potassium	**1200**		26	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Sodium	**290**		53	7.0	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Thallium	<0.53		0.53	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Vanadium	**11**	**B**	0.26	0.039	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Zinc	**22**		1.1	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	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		09/08/14 12:00	09/09/14 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	6.7	ug/Kg	☼	09/04/14 15:00	09/05/14 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.16**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(5-10)-082614
Date Collected: 08/26/14 09:45
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-10
Matrix: Solid
Percent Solids: 94.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 00:47	1
Benzene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 00:47	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/29/14 00:47	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 00:47	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 00:47	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 00:47	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 00:47	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/29/14 00:47	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 00:47	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 00:47	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 00:47	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 00:47	1
cis-1,3-Dichloropropene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 00:47	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 00:47	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/29/14 00:47	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 00:47	1
1,1-Dichloroethene	<5.3		5.3	0.86	ug/Kg	☼		08/29/14 00:47	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 00:47	1
1,3-Dichloropropene, Total	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 00:47	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 00:47	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 00:47	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 00:47	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 00:47	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 00:47	1
Methyl tert-butyl ether	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 00:47	1
Styrene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 00:47	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 00:47	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 00:47	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/29/14 00:47	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 00:47	1
trans-1,3-Dichloropropene	<5.3		5.3	0.95	ug/Kg	☼		08/29/14 00:47	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 00:47	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 00:47	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 00:47	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 00:47	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*08/29/14 00:47*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/29/14 00:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/29/14 00:47*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 00:47*	*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	☼	09/03/14 16:55	09/05/14 21:28	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(5-10)-082614
Date Collected: 08/26/14 09:45
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-10
Matrix: Solid
Percent Solids: 94.3

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	80	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Anthracene	<35		35	5.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[a]anthracene	<35		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Carbazole	<180		180	91	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Chrysene	<35		35	9.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Fluorene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(5-10)-082614
Date Collected: 08/26/14 09:45
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-10
Matrix: Solid
Percent Solids: 94.3

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	9.1	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Isophorone	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Phenol	<180		180	78	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Pyrene	<35		35	7.0	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
2-Fluorophenol	*81*		*25 - 110*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
Nitrobenzene-d5	*51*		*25 - 115*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
Phenol-d5	*74*		*31 - 110*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
Terphenyl-d14	*94*		*36 - 134*	*09/03/14 16:55*	*09/05/14 21:28*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:47	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Copper	**0.040**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:47	1
Manganese	**1.1**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Zinc	**0.18**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:37	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:37	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1

Client Sample ID: 55-22(5-10)-082614
Date Collected: 08/26/14 09:45
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-10
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		09/04/14 08:30	09/05/14 00:37	1
Zinc	**0.021**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<10		10	4.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Arsenic	**7.4**		5.2	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Barium	**14**		5.2	0.55	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Beryllium	<2.1		2.1	0.41	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Cadmium	**0.50**	**J**	1.0	0.13	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Calcium	**170000**	**B**	100	28	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Chromium	**6.9**	**B**	5.2	0.60	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Cobalt	**3.5**		2.6	0.52	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Copper	**12**		5.2	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Iron	**15000**		100	42	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Lead	**6.9**	**B**	2.6	0.77	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Magnesium	**90000**	**B**	52	11	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Manganese	**520**		5.2	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Nickel	**8.4**		5.2	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Potassium	**590**		260	16	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Selenium	<2.6		2.6	0.92	mg/Kg	☼	09/08/14 18:00	09/10/14 13:14	5
Silver	<2.6		2.6	0.19	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Sodium	**210**	**J**	520	69	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Thallium	<5.2		5.2	2.2	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Vanadium	**8.7**		2.6	0.38	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Zinc	**48**		10	2.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 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		09/04/14 12:30	09/05/14 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	6.8	ug/Kg	☼	09/04/14 15:00	09/05/14 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.27**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(0-8)-082614
Date Collected: 08/26/14 10:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-11
Matrix: Solid
Percent Solids: 93.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	64		5.4	2.3	ug/Kg	☼		08/29/14 01:11	1
Benzene	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 01:11	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		08/29/14 01:11	1
Bromoform	<5.4		5.4	1.2	ug/Kg	☼		08/29/14 01:11	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 01:11	1
Carbon disulfide	<5.4		5.4	0.80	ug/Kg	☼		08/29/14 01:11	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg	☼		08/29/14 01:11	1
Chlorobenzene	<5.4		5.4	0.54	ug/Kg	☼		08/29/14 01:11	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 01:11	1
Chloroform	<5.4		5.4	0.62	ug/Kg	☼		08/29/14 01:11	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 01:11	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	☼		08/29/14 01:11	1
cis-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg	☼		08/29/14 01:11	1
Dibromochloromethane	<5.4		5.4	0.93	ug/Kg	☼		08/29/14 01:11	1
1,1-Dichloroethane	<5.4		5.4	0.85	ug/Kg	☼		08/29/14 01:11	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/29/14 01:11	1
1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg	☼		08/29/14 01:11	1
1,2-Dichloropropane	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 01:11	1
1,3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg	☼		08/29/14 01:11	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 01:11	1
2-Hexanone	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 01:11	1
Methylene Chloride	<5.4		5.4	1.4	ug/Kg	☼		08/29/14 01:11	1
Methyl Ethyl Ketone	12		5.4	1.9	ug/Kg	☼		08/29/14 01:11	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	☼		08/29/14 01:11	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	☼		08/29/14 01:11	1
Styrene	<5.4		5.4	0.70	ug/Kg	☼		08/29/14 01:11	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 01:11	1
Tetrachloroethene	<5.4		5.4	0.82	ug/Kg	☼		08/29/14 01:11	1
Toluene	<5.4		5.4	0.75	ug/Kg	☼		08/29/14 01:11	1
trans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 01:11	1
trans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg	☼		08/29/14 01:11	1
1,1,1-Trichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/29/14 01:11	1
1,1,2-Trichloroethane	<5.4		5.4	0.73	ug/Kg	☼		08/29/14 01:11	1
Trichloroethene	<5.4		5.4	0.89	ug/Kg	☼		08/29/14 01:11	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 01:11	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		08/29/14 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/29/14 01:11*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*08/29/14 01:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/29/14 01:11*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*08/29/14 01:11*	*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	☼	09/03/14 16:55	09/05/14 21:45	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(0-8)-082614
Date Collected: 08/26/14 10:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-11
Matrix: Solid
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	79	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,6-Dinitrotoluene	<180		180	68	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Chloronaphthalene	<180		180	38	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Chlorophenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Anthracene	<35		35	5.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[a]anthracene	<35		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[a]pyrene	<35		35	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[b]fluoranthene	<35		35	7.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Carbazole	<180		180	90	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Chrysene	<35		35	9.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Fluorene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(0-8)-082614
Date Collected: 08/26/14 10:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-11
Matrix: Solid
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.0	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Isophorone	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Phenol	<180		180	77	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Pyrene	<35		35	6.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
2-Fluorophenol	*67*		*25 - 110*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
Nitrobenzene-d5	*38*		*25 - 115*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
Phenol-d5	*67*		*31 - 110*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
Terphenyl-d14	*105*		*36 - 134*	*09/03/14 16:55*	*09/05/14 21:45*	*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		09/06/14 08:35	09/08/14 18:08	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:08	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Cobalt	**0.027**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:08	1
Manganese	**5.6**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Nickel	**0.047**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Zinc	**0.20**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:41	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1

Client Sample ID: 55-3(0-8)-082614
Date Collected: 08/26/14 10:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-11
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		09/04/14 08:30	09/05/14 00:41	1
Zinc	**0.026**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Arsenic	**3.5**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Barium	**15**		0.52	0.056	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Beryllium	**0.19**	**J**	0.21	0.042	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Cadmium	**0.25**		0.10	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Calcium	**100000**	**B**	110	29	mg/Kg	☼	09/08/14 18:00	09/09/14 22:07	10
Chromium	**15**		0.52	0.060	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Cobalt	**2.6**		0.26	0.052	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Copper	**10**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Iron	**16000**		110	43	mg/Kg	☼	09/08/14 18:00	09/09/14 22:07	10
Lead	**5.1**		0.26	0.078	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Magnesium	**59000**	**B**	53	11	mg/Kg	☼	09/08/14 18:00	09/09/14 22:07	10
Manganese	**310**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Nickel	**7.4**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Potassium	**1000**		26	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Selenium	<0.52		0.52	0.19	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Sodium	**610**		52	7.0	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Thallium	<0.52		0.52	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Vanadium	**9.0**	**B**	0.26	0.039	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Zinc	**15**		1.0	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	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		09/08/14 12:00	09/09/14 11:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:59	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		16	6.2	ug/Kg	☼	09/04/14 15:00	09/05/14 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.33**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(8-16)-082614
Date Collected: 08/26/14 10:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-12
Matrix: Solid
Percent Solids: 94.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 01:35	1
Benzene	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 01:35	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/29/14 01:35	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 01:35	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 01:35	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 01:35	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 01:35	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/29/14 01:35	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 01:35	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 01:35	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 01:35	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 01:35	1
cis-1,3-Dichloropropene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 01:35	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 01:35	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/29/14 01:35	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/29/14 01:35	1
1,1-Dichloroethene	<5.3		5.3	0.85	ug/Kg	☼		08/29/14 01:35	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 01:35	1
1,3-Dichloropropene, Total	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 01:35	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 01:35	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 01:35	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 01:35	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 01:35	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 01:35	1
Methyl tert-butyl ether	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 01:35	1
Styrene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 01:35	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 01:35	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 01:35	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/29/14 01:35	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 01:35	1
trans-1,3-Dichloropropene	<5.3		5.3	0.95	ug/Kg	☼		08/29/14 01:35	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 01:35	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 01:35	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 01:35	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 01:35	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/29/14 01:35*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/29/14 01:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/29/14 01:35*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*08/29/14 01:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	36	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
1,2-Dichlorobenzene	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(8-16)-082614
Date Collected: 08/26/14 10:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-12
Matrix: Solid
Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	77	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4-Dichlorophenol	<340		340	80	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4-Dinitrophenol	<680		680	600	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,6-Dinitrotoluene	<170		170	66	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Chloronaphthalene	<170		170	37	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Methylnaphthalene	<34		34	6.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Methylphenol	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Nitroaniline	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Nitrophenol	<340		340	80	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
3 & 4 Methylphenol	<170		170	56	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
3,3'-Dichlorobenzidine	<170		170	47	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
3-Nitroaniline	<340		340	100	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4,6-Dinitro-2-methylphenol	<340		340	270	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Chloro-3-methylphenol	<340		340	110	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Chloroaniline	<680		680	160	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Chlorophenyl phenyl ether	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Nitrophenol	<680		680	320	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Acenaphthene	<34		34	6.1	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Anthracene	<34		34	5.6	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[a]anthracene	<34		34	4.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[a]pyrene	<34		34	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[b]fluoranthene	<34		34	7.3	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Bis(2-chloroethoxy)methane	<170		170	34	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Bis(2-ethylhexyl) phthalate	<170		170	62	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Butyl benzyl phthalate	<170		170	64	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Carbazole	<170		170	87	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Chrysene	<34		34	9.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Dibenz(a,h)anthracene	<34		34	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Diethyl phthalate	<170		170	57	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Di-n-butyl phthalate	<170		170	51	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Di-n-octyl phthalate	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Fluoranthene	<34		34	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Hexachlorobenzene	<68		68	7.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Hexachlorocyclopentadiene	<680		680	190	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Hexachloroethane	<170		170	51	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(8-16)-082614
Date Collected: 08/26/14 10:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-12
Matrix: Solid
Percent Solids: 94.6

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	<34		34	8.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Isophorone	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Naphthalene	<34		34	5.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Nitrobenzene	<34		34	8.4	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
N-Nitrosodi-n-propylamine	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Pentachlorophenol	<680		680	540	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Phenanthrene	<34		34	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Phenol	<170		170	75	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Pyrene	<34		34	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
2-Fluorophenol	*92*		*25 - 110*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
Phenol-d5	*81*		*31 - 110*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
Terphenyl-d14	*119*		*36 - 134*	*09/03/14 16:55*	*09/05/14 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		09/06/14 08:35	09/08/14 18:14	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Cobalt	**0.054**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Copper	**0.049**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Iron	**0.25**		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:14	1
Manganese	**4.3**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Nickel	**0.039**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Zinc	**0.17**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:46	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:46	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1

Client Sample ID: 55-3(8-16)-082614
Date Collected: 08/26/14 10:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-12
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		09/04/14 08:30	09/05/14 00:46	1
Zinc	<0.10		0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<10		10	4.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Arsenic	**2.8**	**J**	5.0	0.99	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Barium	**18**		5.0	0.53	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Beryllium	**0.52**	**J**	2.0	0.40	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Cadmium	**0.41**	**J**	1.0	0.13	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Calcium	**160000**	**B**	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Chromium	**4.7**	**J B**	5.0	0.58	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Cobalt	**5.9**		2.5	0.50	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Copper	**27**		5.0	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Iron	**16000**		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Lead	**5.1**	**B**	2.5	0.74	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Magnesium	**88000**	**B**	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Manganese	**420**		5.0	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Nickel	**12**		5.0	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Potassium	**560**		250	15	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Selenium	<2.5		2.5	0.88	mg/Kg	☼	09/08/14 18:00	09/10/14 13:18	5
Silver	<2.5		2.5	0.18	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Sodium	**540**		500	67	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Thallium	<5.0		5.0	2.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Vanadium	**29**		2.5	0.37	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Zinc	**31**		10	2.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 13:01	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	**6.9**	**J**	17	6.5	ug/Kg	☼	09/04/14 15:00	09/05/14 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.58**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRON

2417 Bond Street, University
Phone: 708.534.5200 Fax

500-83013 COC

Chain of Custody Record

Lab Job #: 500-83013

Chain of Custody Number:

Page 1 of 4

Temperature °C of Cooler: (3.2) (2.6)

Report To (optional)	Bill To (optional)
Contact: S. Babugulkumar	Contact:
Company: Weston	Company:
Address: 300 Plaza Circle, Ste 202	Address:
Address: Mundelein, IL 60060	Address: Same
Phone: 224-864-7250	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference#

Client	Client Project #
Weston	
Project Name: IDOT-085	
Project Location/State: Channahon / IL	Lab Project #
Sampler: T. Walls	Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH					Comments
1		SS-18(0-8)-082614	8-26-14	0735	2	S	X	X	X	X	X					
2		SS-18(8-16)-082614		0745												
3		SS-18(16-24)-082614		0800												
4		SS-2(0-5)-082614		0855												
5		SS-2(5-10)-082614		0900												
6		SS-21(0-5)-082614		0910												
7		SS-21(5-10)-082614		0915												
8		SS-21(5-10)-082614(D)		0915												
9		SS-22(0-5)-082614		0940												
10		SS-22(5-10)-082614	8-26-14	0945	2	S	X	X	X	X	X					

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

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 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	8-26-14	1600		TA	8-26-14	1600
	Weston	8-27-14	1650		TA	8/27/14	0630
	Company	Date	Time		Company	Date	Time

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 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
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 #: 500-83013

Chain of Custody Number:

Page 2 of 4

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / 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		SS-3 (0-8)-082614	8-26-14	1000	2	S		X	X	X	X	X					
12		SS-3 (8-16)-082614		1015													
13		SS-1 (0-7)-082614		1130													
14		SS-1 (7-15)-082614		1135													
15		VL-1 (0-7)-082614		1220													
16		VL-1 (7-15)-082614		1225													
17		BP-1 (0-7)-082614		1250													
18		BP-1 (7-15)-082614		1255													
19		BP-1 (7-15)-082614D		1255													
20		BP-2 (0-7)-082614	8-26-14	1325	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	8-26-14	1600		TA	8-26-14	1600
	TAC	8-26-14	1650		TA	8/27/14	0630

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

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-83014-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 2:48:06 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-8(0-4)-082614
Date Collected: 08/26/14 14:10
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-4
Matrix: Solid
Percent Solids: 88.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**43**		5.6	2.4	ug/Kg	☼		08/28/14 19:46	1
Benzene	<5.6		5.6	0.77	ug/Kg	☼		08/28/14 19:46	1
Bromodichloromethane	<5.6		5.6	0.97	ug/Kg	☼		08/28/14 19:46	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		08/28/14 19:46	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		08/28/14 19:46	1
Carbon disulfide	<5.6		5.6	0.84	ug/Kg	☼		08/28/14 19:46	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		08/28/14 19:46	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		08/28/14 19:46	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		08/28/14 19:46	1
Chloroform	<5.6		5.6	0.65	ug/Kg	☼		08/28/14 19:46	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		08/28/14 19:46	1
cis-1,2-Dichloroethene	<5.6		5.6	0.80	ug/Kg	☼		08/28/14 19:46	1
cis-1,3-Dichloropropene	<5.6		5.6	0.74	ug/Kg	☼		08/28/14 19:46	1
Dibromochloromethane	<5.6		5.6	0.98	ug/Kg	☼		08/28/14 19:46	1
1,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg	☼		08/28/14 19:46	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/28/14 19:46	1
1,1-Dichloroethene	<5.6		5.6	0.91	ug/Kg	☼		08/28/14 19:46	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		08/28/14 19:46	1
1,3-Dichloropropene, Total	<5.6		5.6	0.74	ug/Kg	☼		08/28/14 19:46	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		08/28/14 19:46	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		08/28/14 19:46	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		08/28/14 19:46	1
Methyl Ethyl Ketone	**8.4**		5.6	2.0	ug/Kg	☼		08/28/14 19:46	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		08/28/14 19:46	1
Methyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg	☼		08/28/14 19:46	1
Styrene	<5.6		5.6	0.74	ug/Kg	☼		08/28/14 19:46	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/28/14 19:46	1
Tetrachloroethene	<5.6		5.6	0.86	ug/Kg	☼		08/28/14 19:46	1
Toluene	<5.6		5.6	0.79	ug/Kg	☼		08/28/14 19:46	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		08/28/14 19:46	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		08/28/14 19:46	1
1,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg	☼		08/28/14 19:46	1
1,1,2-Trichloroethane	<5.6		5.6	0.77	ug/Kg	☼		08/28/14 19:46	1
Trichloroethene	<5.6		5.6	0.93	ug/Kg	☼		08/28/14 19:46	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		08/28/14 19:46	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/28/14 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/28/14 19:46*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/28/14 19:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/28/14 19:46*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/28/14 19:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-8(0-4)-082614
Date Collected: 08/26/14 14:10
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-4
Matrix: Solid
Percent Solids: 88.9

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	82	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Anthracene	<36		36	6.0	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Benzo[a]anthracene	**17**	**J**	36	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Benzo[a]pyrene	**22**	**J**	36	6.9	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Benzo[b]fluoranthene	**26**	**J**	36	7.7	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Benzo[g,h,i]perylene	**24**	**J**	36	12	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Benzo[k]fluoranthene	**12**	**J**	36	11	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Carbazole	<180		180	93	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Chrysene	**19**	**J**	36	9.8	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Fluoranthene	**37**		36	6.6	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Fluorene	<36		36	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Hexachlorocyclopentadiene	<720	*	720	210	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-8(0-4)-082614
Date Collected: 08/26/14 14:10
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-4
Matrix: Solid
Percent Solids: 88.9

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	13	J	36	9.3	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Isophorone	<180		180	40	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Naphthalene	<36		36	5.5	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Phenol	<180		180	80	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1
Pyrene	<36		36	7.1	ug/Kg	☼	09/04/14 16:15	09/08/14 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*35 - 137*	*09/04/14 16:15*	*09/08/14 20:40*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*09/04/14 16:15*	*09/08/14 20:40*	*1*
2-Fluorophenol	*63*		*25 - 110*	*09/04/14 16:15*	*09/08/14 20:40*	*1*
Nitrobenzene-d5	*56*		*25 - 115*	*09/04/14 16:15*	*09/08/14 20:40*	*1*
Phenol-d5	*72*		*31 - 110*	*09/04/14 16:15*	*09/08/14 20:40*	*1*
Terphenyl-d14	*78*		*36 - 134*	*09/04/14 16:15*	*09/08/14 20:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:17	1
Barium	0.56		0.50	0.050	mg/L		09/06/14 09:10	09/08/14 20:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 20:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 20:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:17	1
Cobalt	0.022	J	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:17	1
Copper	0.039		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:17	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 20:17	1
Lead	0.011		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 20:17	1
Manganese	6.6		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:17	1
Nickel	0.029		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:17	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:17	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:17	1
Zinc	0.21		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:14	1
Barium	0.49	J	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:14	1
Chromium	0.051		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:14	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:14	1
Copper	0.11		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:14	1
Iron	39		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:14	1
Lead	0.040		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:14	1
Manganese	0.48		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:14	1
Nickel	0.037		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:14	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:14	1

Client Sample ID: 55-8(0-4)-082614
Date Collected: 08/26/14 14:10
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-4
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		09/04/14 08:55	09/04/14 17:14	1
Zinc	**0.45**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Arsenic	**5.0**		0.54	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Barium	**34**		0.54	0.058	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Beryllium	**0.35**		0.22	0.043	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Cadmium	**0.31**		0.11	0.014	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Calcium	**110000**	**B**	110	29	mg/Kg	☼	09/04/14 09:55	09/05/14 14:42	10
Chromium	**9.2**		0.54	0.063	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Cobalt	**3.9**		0.27	0.054	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Copper	**12**		0.54	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Iron	**10000**		11	4.5	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Lead	**14**		0.27	0.081	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Magnesium	**51000**	**B**	5.4	1.1	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Manganese	**400**		0.54	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Nickel	**9.4**		0.54	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Potassium	**1500**		27	1.6	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Sodium	**1700**		54	7.3	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Thallium	**0.48**	**J**	0.54	0.23	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Vanadium	**15**		0.27	0.040	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1
Zinc	**26**		1.1	0.22	mg/Kg	☼	09/04/14 09:55	09/05/14 06:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 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		09/04/14 12:30	09/05/14 10:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J**	16	6.3	ug/Kg	☼	09/05/14 15:30	09/08/14 09:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.71**		0.200	0.200	SU			09/03/14 13:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(0-8)-082614
Date Collected: 08/26/14 14:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-7
Matrix: Solid
Percent Solids: 84.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**99**		5.9	2.6	ug/Kg	☼		08/29/14 07:29	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		08/29/14 07:29	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/29/14 07:29	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		08/29/14 07:29	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/29/14 07:29	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		08/29/14 07:29	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/29/14 07:29	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		08/29/14 07:29	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/29/14 07:29	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		08/29/14 07:29	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 07:29	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		08/29/14 07:29	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 07:29	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/29/14 07:29	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		08/29/14 07:29	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/29/14 07:29	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		08/29/14 07:29	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		08/29/14 07:29	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 07:29	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 07:29	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/29/14 07:29	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/29/14 07:29	1
Methyl Ethyl Ketone	**14**		5.9	2.1	ug/Kg	☼		08/29/14 07:29	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		08/29/14 07:29	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		08/29/14 07:29	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 07:29	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 07:29	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		08/29/14 07:29	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		08/29/14 07:29	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		08/29/14 07:29	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		08/29/14 07:29	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		08/29/14 07:29	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		08/29/14 07:29	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		08/29/14 07:29	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 07:29	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/29/14 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/29/14 07:29*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*08/29/14 07:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 134*		*08/29/14 07:29*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/29/14 07:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(0-8)-082614
Date Collected: 08/26/14 14:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-7
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Methylnaphthalene	**23**	**J**	38	7.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Anthracene	<38		38	6.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[a]anthracene	**18**	**J**	38	5.1	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[a]pyrene	**17**	**J**	38	7.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[b]fluoranthene	**23**	**J**	38	8.2	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[g,h,i]perylene	**17**	**J**	38	12	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[k]fluoranthene	**12**	**J**	38	11	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Carbazole	<190		190	98	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Chrysene	**19**	**J**	38	10	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Fluoranthene	**52**		38	7.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Fluorene	<38		38	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Hexachlorocyclopentadiene	<760	*	760	220	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(0-8)-082614
Date Collected: 08/26/14 14:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-7
Matrix: Solid
Percent Solids: 84.2

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	10	J	38	9.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Isophorone	<190		190	43	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Phenanthrene	32	J	38	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Phenol	<190		190	84	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Pyrene	15	J	38	7.5	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
2-Fluorophenol	*52*		*25 - 110*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
Nitrobenzene-d5	*50*		*25 - 115*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
Phenol-d5	*64*		*31 - 110*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
Terphenyl-d14	*68*		*36 - 134*	*09/04/14 16:15*	*09/08/14 21:03*	*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		09/06/14 09:10	09/08/14 20:51	1
Barium	0.57		0.50	0.050	mg/L		09/06/14 09:10	09/08/14 20:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 20:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 20:51	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Cobalt	0.013	J	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Copper	0.034		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 20:51	1
Lead	0.0083		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 20:51	1
Manganese	6.6		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Nickel	0.015	J	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Zinc	0.25		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Barium	0.51		0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:34	1
Chromium	0.053		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Cobalt	0.012	J	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Copper	0.075		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Iron	43		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:34	1
Lead	0.058		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:34	1
Manganese	0.57		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Nickel	0.043		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1

Client Sample ID: 55-10(0-8)-082614
Date Collected: 08/26/14 14:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-7
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		09/04/14 08:55	09/04/14 17:34	1
Zinc	**0.49**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Arsenic	**4.1**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Barium	**40**		0.57	0.061	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Beryllium	**0.37**		0.23	0.046	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Cadmium	**0.29**		0.11	0.015	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Calcium	**110000**	**B**	110	31	mg/Kg	☼	09/04/14 09:55	09/05/14 15:02	10
Chromium	**8.3**		0.57	0.066	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Cobalt	**3.7**		0.29	0.057	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Copper	**11**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Iron	**9200**		11	4.7	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Lead	**12**		0.29	0.085	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Magnesium	**53000**	**B**	5.7	1.2	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Manganese	**410**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Nickel	**8.9**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Potassium	**1600**		29	1.7	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Sodium	**1300**		57	7.7	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Thallium	**0.55**	**J**	0.57	0.24	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Vanadium	**14**		0.29	0.042	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Zinc	**22**		1.1	0.23	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 11:56	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		09/04/14 12:30	09/05/14 11:03	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	**22**		20	7.7	ug/Kg	☼	09/05/14 15:30	09/08/14 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.46**		0.200	0.200	SU			09/03/14 13:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(8-16)-082614
Date Collected: 08/26/14 15:05
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-8
Matrix: Solid
Percent Solids: 81.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		08/29/14 07:52	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		08/29/14 07:52	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 07:52	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		08/29/14 07:52	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		08/29/14 07:52	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		08/29/14 07:52	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 07:52	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		08/29/14 07:52	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		08/29/14 07:52	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		08/29/14 07:52	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		08/29/14 07:52	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		08/29/14 07:52	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		08/29/14 07:52	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 07:52	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		08/29/14 07:52	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		08/29/14 07:52	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 07:52	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		08/29/14 07:52	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		08/29/14 07:52	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		08/29/14 07:52	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		08/29/14 07:52	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		08/29/14 07:52	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		08/29/14 07:52	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		08/29/14 07:52	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 07:52	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		08/29/14 07:52	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		08/29/14 07:52	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		08/29/14 07:52	1
Toluene	<6.2		6.2	0.86	ug/Kg	☼		08/29/14 07:52	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		08/29/14 07:52	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 07:52	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		08/29/14 07:52	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		08/29/14 07:52	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 07:52	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		08/29/14 07:52	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		08/29/14 07:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/29/14 07:52*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/29/14 07:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*08/29/14 07:52*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/29/14 07:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(8-16)-082614
Date Collected: 08/26/14 15:05
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-8
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	<400		400	91	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Carbazole	<200		200	100	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Chrysene	<40		40	11	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Hexachlorocyclopentadiene	<810	*	810	230	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(8-16)-082614
Date Collected: 08/26/14 15:05
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-8
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	<40		40	10	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Isophorone	<200		200	45	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Naphthalene	<40		40	6.1	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Phenol	<200		200	89	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Pyrene	<40		40	7.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
2-Fluorophenol	*63*		*25 - 110*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
Nitrobenzene-d5	*53*		*25 - 115*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
Phenol-d5	*75*		*31 - 110*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
Terphenyl-d14	*72*		*36 - 134*	*09/04/14 16:15*	*09/08/14 21:27*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Barium	**0.65**		0.50	0.050	mg/L		09/06/14 09:10	09/08/14 20:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 20:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 20:57	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Copper	**0.040**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 20:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 20:57	1
Manganese	**4.7**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Zinc	**0.24**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.014**	**J**	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:38	1
Chromium	**0.047**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Copper	**0.18**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Iron	**35**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:38	1
Lead	**0.17**		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:38	1
Manganese	**0.57**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Nickel	**0.036**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1

Client Sample ID: 55-10(8-16)-082614
Date Collected: 08/26/14 15:05
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-8
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		09/04/14 08:55	09/04/14 17:38	1
Zinc	**0.48**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.49	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Arsenic	**9.5**		0.61	0.12	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Barium	**92**		0.61	0.065	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Beryllium	**0.71**		0.24	0.049	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Cadmium	**0.052**	**J**	0.12	0.015	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Calcium	**5300**	**B**	12	3.3	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Chromium	**21**		0.61	0.071	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Cobalt	**8.8**		0.30	0.061	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Copper	**20**		0.61	0.12	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Iron	**22000**		12	5.0	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Lead	**11**		0.30	0.091	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Magnesium	**4400**	**B**	6.1	1.3	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Manganese	**560**		0.61	0.12	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Nickel	**20**		0.61	0.12	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Potassium	**2200**		30	1.8	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Selenium	<0.61		0.61	0.22	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Sodium	**1400**		61	8.2	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Thallium	**1.0**		0.61	0.26	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Vanadium	**35**		0.30	0.045	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Zinc	**46**		1.2	0.25	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	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		09/08/14 12:00	09/09/14 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 11:05	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	**32**		19	7.5	ug/Kg	☼	09/05/14 15:30	09/08/14 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.90**		0.200	0.200	SU			09/03/14 13:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-9
Matrix: Solid
Percent Solids: 92.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.3	ug/Kg	☼		08/29/14 08:15	1
Benzene	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 08:15	1
Bromodichloromethane	<5.4		5.4	0.93	ug/Kg	☼		08/29/14 08:15	1
Bromoform	<5.4		5.4	1.2	ug/Kg	☼		08/29/14 08:15	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 08:15	1
Carbon disulfide	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 08:15	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg	☼		08/29/14 08:15	1
Chlorobenzene	<5.4		5.4	0.55	ug/Kg	☼		08/29/14 08:15	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 08:15	1
Chloroform	<5.4		5.4	0.62	ug/Kg	☼		08/29/14 08:15	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 08:15	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	☼		08/29/14 08:15	1
cis-1,3-Dichloropropene	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 08:15	1
Dibromochloromethane	<5.4		5.4	0.94	ug/Kg	☼		08/29/14 08:15	1
1,1-Dichloroethane	<5.4		5.4	0.85	ug/Kg	☼		08/29/14 08:15	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/29/14 08:15	1
1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg	☼		08/29/14 08:15	1
1,2-Dichloropropane	<5.4		5.4	0.82	ug/Kg	☼		08/29/14 08:15	1
1,3-Dichloropropene, Total	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 08:15	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 08:15	1
2-Hexanone	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 08:15	1
Methylene Chloride	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 08:15	1
Methyl Ethyl Ketone	<5.4		5.4	2.0	ug/Kg	☼		08/29/14 08:15	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	☼		08/29/14 08:15	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	☼		08/29/14 08:15	1
Styrene	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 08:15	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 08:15	1
Tetrachloroethene	<5.4		5.4	0.83	ug/Kg	☼		08/29/14 08:15	1
Toluene	<5.4		5.4	0.76	ug/Kg	☼		08/29/14 08:15	1
trans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 08:15	1
trans-1,3-Dichloropropene	<5.4		5.4	0.97	ug/Kg	☼		08/29/14 08:15	1
1,1,1-Trichloroethane	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 08:15	1
1,1,2-Trichloroethane	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 08:15	1
Trichloroethene	<5.4		5.4	0.89	ug/Kg	☼		08/29/14 08:15	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 08:15	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		08/29/14 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/29/14 08:15*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/29/14 08:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*08/29/14 08:15*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 08:15*	*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	☼	09/04/14 16:15	09/08/14 21:50	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-9
Matrix: Solid
Percent Solids: 92.5

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	☼	09/04/14 16:15	09/08/14 21:50	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4,6-Dinitro-2-methylphenol	<350		350	290	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Anthracene	<35		35	5.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[a]anthracene	**8.5**	**J**	35	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[b]fluoranthene	**10**	**J**	35	7.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Carbazole	<180		180	92	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Chrysene	<35		35	9.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Fluoranthene	**26**	**J**	35	6.6	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Hexachlorocyclopentadiene	<720	*	720	200	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1

Client Sample ID: 55-10(16-23)-082614
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-9
Matrix: Solid
Percent Solids: 92.5

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	<35		35	9.2	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Isophorone	<180		180	40	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Phenanthrene	<35		35	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Phenol	<180		180	79	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Pyrene	<35		35	7.1	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
2-Fluorophenol	*66*		*25 - 110*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
Nitrobenzene-d5	*62*		*25 - 115*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
Phenol-d5	*79*		*31 - 110*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
Terphenyl-d14	*70*		*36 - 134*	*09/04/14 16:15*	*09/08/14 21:50*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		09/06/14 09:10	09/08/14 21:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 21:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 21:03	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Copper	**0.028**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 21:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 21:03	1
Manganese	**1.1**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Zinc	**0.20**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 21:03	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		09/04/14 08:55	09/04/14 17:42	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:42	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Copper	**0.042**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Iron	**11**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:42	1
Manganese	**0.075**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1

Client Sample ID: 55-10(16-23)-082614
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-9
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		09/04/14 08:55	09/04/14 17:42	1
Zinc	**0.30**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.40	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Arsenic	**3.6**		0.50	0.099	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Barium	**8.7**		0.50	0.053	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Beryllium	**0.15**	**J**	0.20	0.040	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Cadmium	**0.15**		0.10	0.013	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Calcium	**130000**	**B**	100	27	mg/Kg	☼	09/04/14 09:55	09/05/14 15:06	10
Chromium	**4.5**		0.50	0.058	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Cobalt	**2.0**		0.25	0.050	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Copper	**6.5**		0.50	0.10	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Iron	**6600**		10	4.1	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Lead	**3.7**		0.25	0.074	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Magnesium	**72000**	**B**	50	10	mg/Kg	☼	09/04/14 09:55	09/05/14 15:06	10
Manganese	**400**		0.50	0.10	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Nickel	**5.5**		0.50	0.10	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Potassium	**1000**		25	1.5	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Silver	<0.25		0.25	0.018	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Sodium	**640**		50	6.7	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Thallium	**0.30**	**J**	0.50	0.21	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Vanadium	**6.7**		0.25	0.037	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Zinc	**14**		1.0	0.20	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 12:00	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		09/04/14 12:30	09/05/14 11:07	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	<16		16	6.2	ug/Kg	☼	09/05/14 15:30	09/08/14 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.87**		0.200	0.200	SU			09/03/14 13:57	1

Client Sample ID: 55-10(16-23)-082614D
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-10
Matrix: Solid
Percent Solids: 91.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	☼		08/29/14 18:06	1
Benzene	<5.5		5.5	0.75	ug/Kg	☼		08/29/14 18:06	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		08/29/14 18:06	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/29/14 18:06	1
Bromomethane	<5.5		5.5	1.6	ug/Kg	☼		08/29/14 18:06	1
Carbon disulfide	<5.5		5.5	0.81	ug/Kg	☼		08/29/14 18:06	1
Carbon tetrachloride	<5.5		5.5	0.99	ug/Kg	☼		08/29/14 18:06	1
Chlorobenzene	<5.5		5.5	0.55	ug/Kg	☼		08/29/14 18:06	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 18:06	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		08/29/14 18:06	1
Chloromethane	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 18:06	1
cis-1,2-Dichloroethene	<5.5		5.5	0.77	ug/Kg	☼		08/29/14 18:06	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 18:06	1
Dibromochloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/29/14 18:06	1
1,1-Dichloroethane	<5.5		5.5	0.86	ug/Kg	☼		08/29/14 18:06	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/29/14 18:06	1
1,1-Dichloroethene	<5.5		5.5	0.88	ug/Kg	☼		08/29/14 18:06	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	☼		08/29/14 18:06	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 18:06	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 18:06	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/29/14 18:06	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 18:06	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/29/14 18:06	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/29/14 18:06	1
Methyl tert-butyl ether	<5.5		5.5	0.90	ug/Kg	☼		08/29/14 18:06	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 18:06	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 18:06	1
Tetrachloroethene	<5.5		5.5	0.83	ug/Kg	☼		08/29/14 18:06	1
Toluene	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 18:06	1
trans-1,2-Dichloroethene	<5.5		5.5	0.75	ug/Kg	☼		08/29/14 18:06	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	☼		08/29/14 18:06	1
1,1,1-Trichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/29/14 18:06	1
1,1,2-Trichloroethane	<5.5		5.5	0.74	ug/Kg	☼		08/29/14 18:06	1
Trichloroethene	<5.5		5.5	0.90	ug/Kg	☼		08/29/14 18:06	1
Vinyl chloride	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 18:06	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		08/29/14 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*08/29/14 18:06*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*08/29/14 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/29/14 18:06*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/29/14 18:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614D
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-10
Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4-Dichlorophenol	<340		340	81	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4-Dinitrophenol	<690		690	600	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Methylphenol	<170		170	55	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Anthracene	<34		34	5.7	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[a]anthracene	**20**	**J**	34	4.6	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[a]pyrene	**16**	**J**	34	6.6	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[b]fluoranthene	**20**	**J**	34	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[g,h,i]perylene	**13**	**J**	34	11	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[k]fluoranthene	**11**	**J**	34	10	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Carbazole	<170		170	88	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Chrysene	**15**	**J**	34	9.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Fluoranthene	**53**		34	6.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Hexachlorobenzene	<69		69	7.9	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Hexachlorocyclopentadiene	<690	*	690	200	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Hexachloroethane	<170		170	52	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614D
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-10
Matrix: Solid
Percent Solids: 91.7

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	<34		34	8.9	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Isophorone	<170		170	38	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Nitrobenzene	<34		34	8.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Phenanthrene	**24**	**J**	34	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Phenol	<170		170	76	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Pyrene	**14**	**J**	34	6.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 137*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
2-Fluorobiphenyl	*74*		*25 - 119*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
2-Fluorophenol	*83*		*25 - 110*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
Nitrobenzene-d5	*73*		*25 - 115*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
Phenol-d5	*100*		*31 - 110*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
Terphenyl-d14	*91*		*36 - 134*	*09/04/14 16:15*	*09/08/14 22:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/06/14 09:10	09/08/14 21:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 21:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 21:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Copper	**0.043**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 21:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 21:09	1
Manganese	**1.4**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Zinc	**0.19**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 21:09	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		09/04/14 08:55	09/04/14 17:46	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:46	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Copper	**0.072**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:46	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1

Client Sample ID: 55-10(16-23)-082614D
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-10
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		09/04/14 08:55	09/04/14 17:46	1
Zinc	**0.14**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.42	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Arsenic	**4.0**		0.53	0.10	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Barium	**8.7**		0.53	0.056	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Beryllium	**0.17**	**J**	0.21	0.042	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Cadmium	**0.18**		0.11	0.013	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Calcium	**140000**	**B**	110	29	mg/Kg	☼	09/04/14 09:55	09/05/14 15:10	10
Chromium	**4.2**		0.53	0.061	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Cobalt	**1.9**		0.26	0.053	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Copper	**6.9**		0.53	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Iron	**6700**		11	4.3	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Lead	**3.6**		0.26	0.079	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Magnesium	**79000**	**B**	53	11	mg/Kg	☼	09/04/14 09:55	09/05/14 15:10	10
Manganese	**330**		0.53	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Nickel	**5.3**		0.53	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Potassium	**1300**		26	1.6	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Sodium	**720**		53	7.1	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Thallium	<0.53		0.53	0.22	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Vanadium	**7.2**		0.26	0.039	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Zinc	**14**		1.1	0.21	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 11:09	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	<18		18	7.0	ug/Kg	☼	09/05/14 15:30	09/08/14 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.96**		0.200	0.200	SU			09/03/14 14:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-3(16-18)-082614
Date Collected: 08/26/14 10:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-13
Matrix: Solid
Percent Solids: 94.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 19:15	1
Benzene	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 19:15	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/29/14 19:15	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 19:15	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 19:15	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 19:15	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 19:15	1
Chlorobenzene	<5.3		5.3	0.53	ug/Kg	☼		08/29/14 19:15	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 19:15	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 19:15	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 19:15	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 19:15	1
cis-1,3-Dichloropropene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 19:15	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 19:15	1
1,1-Dichloroethane	<5.3		5.3	0.83	ug/Kg	☼		08/29/14 19:15	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/29/14 19:15	1
1,1-Dichloroethene	<5.3		5.3	0.85	ug/Kg	☼		08/29/14 19:15	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 19:15	1
1,3-Dichloropropene, Total	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 19:15	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 19:15	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 19:15	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 19:15	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 19:15	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 19:15	1
Methyl tert-butyl ether	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 19:15	1
Styrene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 19:15	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 19:15	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 19:15	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/29/14 19:15	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 19:15	1
trans-1,3-Dichloropropene	<5.3		5.3	0.94	ug/Kg	☼		08/29/14 19:15	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 19:15	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 19:15	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 19:15	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 19:15	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*08/29/14 19:15*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/29/14 19:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*08/29/14 19:15*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/29/14 19:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	36	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
1,2-Dichlorobenzene	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-3(16-18)-082614
Date Collected: 08/26/14 10:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-13
Matrix: Solid
Percent Solids: 94.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	77	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4-Dichlorophenol	<340		340	80	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4-Dinitrophenol	<680		680	600	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Chloronaphthalene	<170		170	37	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Methylnaphthalene	<34		34	6.2	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Methylphenol	<170		170	54	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Nitrophenol	<340		340	80	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
3 & 4 Methylphenol	<170		170	56	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
3,3'-Dichlorobenzidine	<170		170	47	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
3-Nitroaniline	<340		340	100	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4,6-Dinitro-2-methylphenol	<340		340	270	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Chloroaniline	<680		680	160	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Nitrophenol	<680		680	320	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Acenaphthene	<34		34	6.1	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Anthracene	<34		34	5.7	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[a]anthracene	<34		34	4.6	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[a]pyrene	<34		34	6.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[b]fluoranthene	<34		34	7.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Bis(2-ethylhexyl) phthalate	<170		170	62	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Butyl benzyl phthalate	<170		170	64	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Carbazole	<170		170	87	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Chrysene	<34		34	9.2	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Dibenz(a,h)anthracene	<34		34	6.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Diethyl phthalate	<170		170	57	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Di-n-octyl phthalate	<170		170	55	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Fluoranthene	<34		34	6.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Hexachlorobenzene	<68		68	7.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Hexachlorocyclopentadiene	<680	*	680	190	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Hexachloroethane	<170		170	51	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-3(16-18)-082614
Date Collected: 08/26/14 10:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-13
Matrix: Solid
Percent Solids: 94.9

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	<34		34	8.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Isophorone	<170		170	38	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Naphthalene	<34		34	5.2	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Nitrobenzene	<34		34	8.4	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
N-Nitrosodi-n-propylamine	<170		170	41	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Pentachlorophenol	<680		680	540	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Phenanthrene	<34		34	4.7	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Phenol	<170		170	75	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Pyrene	<34		34	6.7	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 137*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
2-Fluorobiphenyl	*42*		*25 - 119*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
2-Fluorophenol	*50*		*25 - 110*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
Phenol-d5	*58*		*31 - 110*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
Terphenyl-d14	*51*		*36 - 134*	*09/04/14 16:15*	*09/08/14 22:36*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		09/06/14 09:10	09/08/14 21:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 21:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 21:28	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Copper	**0.032**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 21:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 21:28	1
Manganese	**1.8**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Zinc	**0.21**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 21:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Barium	**0.098**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:58	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Iron	**6.6**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:58	1
Manganese	**0.22**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1

Client Sample ID: 55-3(16-18)-082614
Date Collected: 08/26/14 10:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-13
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		09/04/14 08:55	09/04/14 17:58	1
Zinc	**0.035**	**J B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.3		5.3	2.1	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Arsenic	**3.8**		2.6	0.52	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Barium	**7.7**		2.6	0.28	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Beryllium	<1.1	^	1.1	0.21	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Cadmium	<0.53		0.53	0.067	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Calcium	**160000**	**B**	53	14	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Chromium	**4.4**		2.6	0.31	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Cobalt	**2.6**		1.3	0.26	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Copper	**7.0**		2.6	0.53	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Iron	**7900**		53	22	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Lead	**3.6**	**^**	1.3	0.39	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Magnesium	**96000**	**B**	26	5.4	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Manganese	**340**		2.6	0.53	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Nickel	**5.7**		2.6	0.53	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Potassium	**550**		130	7.9	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Selenium	<2.6		2.6	0.93	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Silver	<1.3		1.3	0.095	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Sodium	**270**		260	35	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Thallium	<2.6		2.6	1.1	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Vanadium	**6.4**		1.3	0.19	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Zinc	**21**	**^**	5.3	1.1	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 11:23	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	<18		18	6.9	ug/Kg	☼	09/05/14 15:30	09/08/14 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.77**		0.200	0.200	SU			09/03/14 14:34	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-83014 COC

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-364-7250
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-83014

Chain of Custody Number:

Page 3 of 4

Temperature °C of Cooler: (3.2) (2.6)

Client	Client Project #	Preservative
Weston		
Project Name: IDOT-085		Parameter
Project Location/State: Channahon/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		BP-2(7-15)-082614	8-26-14	1330	2	S	X	X	X	X	X	
2		BP-3(0-4)-082614		1350								
3		BP-4(0-4)-082614		1400								
4		SS-8(0-4)-082614		1410								
5		SS-9(0-5)-082614		1420								
6		SS-9(5-10)-082614		1425								
7		SS-10(0-8)-082614		1455								
8		SS-10(8-16)-082614		1505								
9		SS-10(16-23)-082614		1515								
10		SS-10(16-23)-082614D	8-26-14	1515	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	8-26-14	1600		TA	8/26/14	1600
		8-26-14	1650		TA	8/27/14	0630

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. Babusakumar
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-83014

Chain of Custody Number:

Page 4 of 4

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
11		55-11 (0-5)-082614	8-26-14	1540	2	S		X	X	X	X	X	
12		55-11 (5-10)-082614	8-26-14	1545	2	S		X	X	X	X	X	
13		55-3 (16-18)-082614	8-26-14	1025	2	S		x	x	x	x	x	added by TA

T. Walls 8-26-14

Parameter

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
T. Walls	Weston	8-26-14	1600			8-26-14	1600
		8-26-14	1650	JLT	TA	8/27/14	0630

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: FAI 55: Interstate 55 at US Route 6 Office Phone Number, if available:

Physical Site Location (address, incldluding number and street):
24000 block of Eames Street

City: Channahon State: IL Zip Code:

County: Will Township:

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

Latitude: 41.455219878 (Decimal Degrees) Longitude: -88.197658112 (-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: FAI 55: Interstate 55 at US Route 6

Latitude: 41.455219878 Longitude: -88.197658112

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION VL-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 963C-14. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-83013-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/6/14
Date:

LICENSED PROFESSIONAL GEOLOGIST
KURT T. FISCHER
196-000881
ILLINOIS

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

Summary Table of ISGS Site No. 963C-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	VL-1(0-7)-082614	VL-1(7-15)-082614	**Soil Reference Concentrations[A]**
Sample Date	8/26/2014	8/26/2014	
Location ID	VL-1	VL-1	
Depth	0 - 7	7 - 15	
ISGS Site Number	693C-14	693C-14	
Parameter			
Laboratory pH (s.u.)	8.61	8.17	<6.25,>9.0
VOCs (ug/kg)	None Detected		
SVOCs (ug/kg)	None Detected		
Total Metals (mg/kg)			
Arsenic, Total	1.6 J	5.8	11.3 / 13
Barium, Total	25	7.7	1500
Beryllium, Total	ND	0.16 J	22
Cadmium, Total	0.48 J	0.35	5.2
Calcium, Total	180000 J	150000 J	---
Chromium, Total	4.2 J	4.2	21
Cobalt, Total	2.5 J	2.7	20
Copper, Total	5.5	11	2900
Iron, Total	6600 J+	11000 J+	15000 / 15900
Lead, Total	3.3 B	5	107
Magnesium, Total	99000 J	82000 J	325000
Manganese, Total	340	300	630
Mercury, Total	ND	ND	0.89
Nickel, Total	5.9	6	100
Potassium, Total	630	1100	---
Selenium, Total	ND	ND	1.3
Sodium, Total	270 J	310	---
Thallium, Total	ND	ND	2.6
Vanadium, Total	7.2	5.9 B	550
Zinc, Total	15	30	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.4 J	0.23 J	2
Cadmium, TCLP	ND	ND	0.005
Cobalt, TCLP	ND	0.032	1
Copper, TCLP	0.028	0.053	0.65
Iron, TCLP	ND	0.61	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	0.71	3.9	0.15
Nickel, TCLP	ND	0.041	0.1
Zinc, TCLP	0.18	0.16 B	5
SPLP Metals (mg/l)			
Arsenic, SPLP	ND	ND	0.05
Barium, SPLP	ND	ND	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	ND	ND	0.1
Cobalt, SPLP	ND	ND	1
Copper, SPLP	ND	ND	0.65
Iron, SPLP	0.32	ND	5
Lead, SPLP	ND	ND	0.0075
Manganese, SPLP	0.013 J	ND	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	ND	ND	0.1
Zinc, SPLP	ND	ND	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.

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: 500-83013-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
9/10/2014 5:08:36 PM
Jodie Bracken, Project Management Assistant II
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Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(0-7)-082614
Date Collected: 08/26/14 12:20
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-15
Matrix: Solid
Percent Solids: 90.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	☼		08/29/14 02:48	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 02:48	1
Bromodichloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/29/14 02:48	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/29/14 02:48	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/29/14 02:48	1
Carbon disulfide	<5.5		5.5	0.83	ug/Kg	☼		08/29/14 02:48	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/29/14 02:48	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/29/14 02:48	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 02:48	1
Chloroform	<5.5		5.5	0.64	ug/Kg	☼		08/29/14 02:48	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/29/14 02:48	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/29/14 02:48	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg	☼		08/29/14 02:48	1
Dibromochloromethane	<5.5		5.5	0.97	ug/Kg	☼		08/29/14 02:48	1
1,1-Dichloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/29/14 02:48	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/29/14 02:48	1
1,1-Dichloroethene	<5.5		5.5	0.90	ug/Kg	☼		08/29/14 02:48	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		08/29/14 02:48	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg	☼		08/29/14 02:48	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 02:48	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/29/14 02:48	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 02:48	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/29/14 02:48	1
methyl isobutyl ketone	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 02:48	1
Methyl tert-butyl ether	<5.5		5.5	0.92	ug/Kg	☼		08/29/14 02:48	1
Styrene	<5.5		5.5	0.73	ug/Kg	☼		08/29/14 02:48	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 02:48	1
Tetrachloroethene	<5.5		5.5	0.85	ug/Kg	☼		08/29/14 02:48	1
Toluene	<5.5		5.5	0.78	ug/Kg	☼		08/29/14 02:48	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 02:48	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		08/29/14 02:48	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	☼		08/29/14 02:48	1
1,1,2-Trichloroethane	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 02:48	1
Trichloroethene	<5.5		5.5	0.92	ug/Kg	☼		08/29/14 02:48	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/29/14 02:48	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/29/14 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/29/14 02:48*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*08/29/14 02:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*08/29/14 02:48*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 02:48*	*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	☼	09/03/14 16:55	09/05/14 22:21	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1

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Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(0-7)-082614
Date Collected: 08/26/14 12:20
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-15
Matrix: Solid
Percent Solids: 90.1

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	☼	09/03/14 16:55	09/05/14 22:21	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Anthracene	<35		35	5.9	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[a]anthracene	<35		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Carbazole	<180		180	91	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Chrysene	<35		35	9.6	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(0-7)-082614
Date Collected: 08/26/14 12:20
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-15
Matrix: Solid
Percent Solids: 90.1

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	<35		35	9.1	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Isophorone	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Phenol	<180		180	78	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Pyrene	<35		35	7.0	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*35 - 137*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
2-Fluorophenol	*73*		*25 - 110*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
Phenol-d5	*72*		*31 - 110*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/03/14 16:55*	*09/05/14 22:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:33	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Copper	**0.028**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:33	1
Manganese	**0.71**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Nickel	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Zinc	**0.18**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:06	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Iron	**0.32**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:06	1
Manganese	**0.013**	**J**	0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1

Client Sample ID: VL-1(0-7)-082614
Date Collected: 08/26/14 12:20
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Zinc	**0.023**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<11		11	4.2	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Arsenic	**1.6**	**J**	5.3	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Barium	**25**		5.3	0.56	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Beryllium	<2.1		2.1	0.42	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Cadmium	**0.48**	**J**	1.1	0.13	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Calcium	**180000**	**B**	110	29	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Chromium	**4.2**	**J B**	5.3	0.61	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Cobalt	**2.5**	**J**	2.6	0.53	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Copper	**5.5**		5.3	1.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Iron	**6600**		110	43	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Lead	**3.3**	**B**	2.6	0.79	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Magnesium	**99000**	**B**	53	11	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Manganese	**340**		5.3	1.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Nickel	**5.9**		5.3	1.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Potassium	**630**		260	16	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Selenium	<2.6		2.6	0.94	mg/Kg	☼	09/08/14 18:00	09/10/14 13:22	5
Silver	<2.6		2.6	0.19	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Sodium	**270**	**J**	530	71	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Thallium	<5.3		5.3	2.2	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Vanadium	**7.2**		2.6	0.39	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Zinc	**15**		11	2.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 11:15	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		09/04/14 12:30	09/05/14 13:07	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	<18		18	7.2	ug/Kg	☼	09/04/14 15:00	09/05/14 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.61**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(7-15)-082614
Date Collected: 08/26/14 12:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-16
Matrix: Solid
Percent Solids: 93.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 03:12	1
Benzene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 03:12	1
Bromodichloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 03:12	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 03:12	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 03:12	1
Carbon disulfide	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 03:12	1
Carbon tetrachloride	<5.3		5.3	0.97	ug/Kg	☼		08/29/14 03:12	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/29/14 03:12	1
Chloroethane	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 03:12	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 03:12	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 03:12	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 03:12	1
cis-1,3-Dichloropropene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 03:12	1
Dibromochloromethane	<5.3		5.3	0.93	ug/Kg	☼		08/29/14 03:12	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/29/14 03:12	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 03:12	1
1,1-Dichloroethene	<5.3		5.3	0.86	ug/Kg	☼		08/29/14 03:12	1
1,2-Dichloropropane	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 03:12	1
1,3-Dichloropropene, Total	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 03:12	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 03:12	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 03:12	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 03:12	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 03:12	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 03:12	1
Methyl tert-butyl ether	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 03:12	1
Styrene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 03:12	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 03:12	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 03:12	1
Toluene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 03:12	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 03:12	1
trans-1,3-Dichloropropene	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 03:12	1
1,1,1-Trichloroethane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 03:12	1
1,1,2-Trichloroethane	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 03:12	1
Trichloroethene	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 03:12	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 03:12	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/29/14 03:12*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/29/14 03:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*08/29/14 03:12*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/29/14 03:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
1,4-Dichlorobenzene	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(7-15)-082614
Date Collected: 08/26/14 12:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-16
Matrix: Solid
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	79	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Methylnaphthalene	<34		34	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Methylphenol	<170		170	56	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Nitrophenol	<340		340	82	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
3,3'-Dichlorobenzidine	<170		170	49	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Nitroaniline	<340		340	150	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Acenaphthylene	<34		34	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Anthracene	<34		34	5.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[a]anthracene	<34		34	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[a]pyrene	<34		34	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[b]fluoranthene	<34		34	7.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Carbazole	<170		170	90	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Chrysene	<34		34	9.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Dibenz(a,h)anthracene	<34		34	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Dibenzofuran	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Fluoranthene	<34		34	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Fluorene	<34		34	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Hexachlorobutadiene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Hexachloroethane	<170		170	53	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(7-15)-082614
Date Collected: 08/26/14 12:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-16
Matrix: Solid
Percent Solids: 93.8

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	<34		34	9.0	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Isophorone	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Nitrobenzene	<34		34	8.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Phenanthrene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Phenol	<170		170	77	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Pyrene	<34		34	6.9	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*35 - 137*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
2-Fluorobiphenyl	*60*		*25 - 119*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
2-Fluorophenol	*78*		*25 - 110*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
Phenol-d5	*69*		*31 - 110*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
Terphenyl-d14	*103*		*36 - 134*	*09/03/14 16:55*	*09/05/14 22:38*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:39	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Cobalt	**0.032**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Copper	**0.053**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Iron	**0.61**		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:39	1
Manganese	**3.9**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Nickel	**0.041**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Zinc	**0.16**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:39	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		09/04/14 08:30	09/05/14 01:10	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:10	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:10	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1

Client Sample ID: VL-1(7-15)-082614
Date Collected: 08/26/14 12:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-16
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		09/04/14 08:30	09/05/14 01:10	1
Zinc	**0.071**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.99		0.99	0.40	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Arsenic	**5.8**		0.50	0.099	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Barium	**7.7**		0.50	0.053	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Beryllium	**0.16**	**J**	0.20	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Cadmium	**0.35**		0.099	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Calcium	**150000**	**B**	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 22:34	10
Chromium	**4.2**		0.50	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Cobalt	**2.7**		0.25	0.050	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Copper	**11**		0.50	0.099	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Iron	**11000**		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 22:34	10
Lead	**5.0**		0.25	0.074	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Magnesium	**82000**	**B**	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 22:34	10
Manganese	**300**		0.50	0.099	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Nickel	**6.0**		0.50	0.099	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Potassium	**1100**		25	1.5	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Silver	<0.25		0.25	0.018	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Sodium	**310**		50	6.7	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Thallium	<0.50		0.50	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Vanadium	**5.9**	**B**	0.25	0.037	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Zinc	**30**		0.99	0.20	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	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		09/08/14 12:00	09/09/14 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 13:09	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	<15		15	6.0	ug/Kg	☼	09/04/14 15:00	09/05/14 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.17**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
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 #: 500-83013

Chain of Custody Number:

Page 2 of 4

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / 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		SS-3 (0-8)-082614	8-26-14	1000	2	S		X	X	X	X	X					
12		SS-3 (8-16)-082614		1015													
13		SS-1 (0-7)-082614		1130													
14		SS-1 (7-15)-082614		1135													
15		VL-1 (0-7)-082614		1220													
16		VL-1 (7-15)-082614		1225													
17		BP-1 (0-7)-082614		1250													
18		BP-1 (7-15)-082614		1255													
19		BP-1 (7-15)-082614D		1255													
20		BP-2 (0-7)-082614	8-26-14	1325	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	8-26-14	1600		TA	8-26-14	1600
	TAC	8-26-14	1650		TA	8/27/14	0630

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: FAI 55: Interstate 55 at US Route 6 Office Phone Number, if available: _____

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

24061 Eames Street

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.455287722 (Decimal Degrees) Longitude: -88.197024976 (-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: FAI 55: Interstate 55 at US Route 6

Latitude: 41.455287722 Longitude: -88.197024976

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION BP-1, BP-3, AND BP-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 963C-16. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORTS - JOB ID: 500-83013-1 AND 500-83014-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/6/14
Date:

LICENSED PROFESSIONAL GEOLOGIST
KURT T. FISCHER
196-000881
ILLINOIS

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

Summary Table of ISGS Site No. 963C-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	BP-1(0-7)-082614	BP-1(7-15)-082614	BP-1(7-15)-082614D	BP-3(0-4)-082614	BP-4(0-4)-082614	Soil Reference Concentrations[A]
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	
Location ID	BP-1	BP-1	BP-1	BP-3	BP-4	
Depth	0 - 7	7 - 15	7 - 15	0 - 4	0 - 4	
ISGS Site Number	693C-16	693C-16	693C-16	693C-16	693C-16	
Parameter						
Laboratory pH (s.u.)	8.67	8.63	8.69	8.95	8.99	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	ND	ND	---
3 & 4 Methylphenol	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	ND	570000
Anthracene	ND	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	71 J	8.9 J	13 J	7.5 J	6 J	900 / 1100 / 1800
Benzo(a)pyrene	68 J	8.2 J	8.9 J	14 J	9.7 J	90 / 1300 / 2100
Benzo(b)fluoranthene	84 J	11 J	17 J	15 J	14 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	11 J	22 J	ND	2300000
Benzo(k)fluoranthene	52 J	ND	ND	ND	ND	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	ND	600
Chrysene	93 J	12 J	14 J	ND	ND	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	230	27 J	39	ND	ND	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	13 J	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	160 J	18 J	25 J	ND	ND	210000
Pyrene	210	24 J	35	ND	ND	2300000
Total Metals (mg/kg)						
Arsenic, Total	3.3	2.7	2.2 J	5 J-	5.6 J-	11.3 / 13
Barium, Total	9.4	9.7	11	28 J	48 J	1500
Beryllium, Total	0.17 J	0.27	0.42 J	0.36	0.42	22
Cadmium, Total	0.21	0.28	0.4 J	0.31 J-	0.37 J-	5.2
Calcium, Total	160000 J	150000 J	160000 J	120000 J	110000 J	---
Chromium, Total	5	6.9	5.9 B	11 J	11 J	21
Cobalt, Total	2.7	3.3	3	3.9 J-	4.4 J-	20
Copper, Total	7.5	7.2	7.3	12	15	2900
Iron, Total	8700 J+	5100 J	10000 J	10000 J	11000 J	15000 / 15900
Lead, Total	3.6	3.1	4.8 B	12 J	20 J	107
Magnesium, Total	89000 J	84000 J	88000 J	50000 J	50000 J	325000
Manganese, Total	310	360	490	360 J	430 J	630
Mercury, Total	0.0085 J	ND	0.011 J	0.014 J	0.034	0.89
Nickel, Total	6	6.1	8.1	10 J-	11 J-	100
Potassium, Total	1100	1100	670	1600 J	1900 J	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	430	660	470 J	1300 J	1700 J	---
Thallium, Total	0.27 J	0.32 J	ND	0.37 J	0.42 J	2.6
Vanadium, Total	7.7 B	9.7 B	8.7	17 J-	19 J-	550
Zinc, Total	16	16	23	31 J	33 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.28 J	0.28 J	0.29 J	0.36 J	0.57	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	0.016 J	ND	ND	1
Copper, TCLP	0.024 J	0.044	0.029	0.045	0.022 J	0.65
Iron, TCLP	ND	ND	1.3 J	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1	1.2 J	3.8 J	3	0.4	0.15
Nickel, TCLP	0.012 J	0.014 J	0.033	0.021 J	ND	0.1
Zinc, TCLP	0.2	0.2	0.19 B	0.19	0.18	5

Summary Table of ISGS Site No. 963C-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	BP-1(0-7)-082614	BP-1(7-15)-082614	BP-1(7-15)-082614D	BP-3(0-4)-082614	BP-4(0-4)-082614	**Soil Reference Concentrations[A]**
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	
Location ID	BP-1	BP-1	BP-1	BP-3	BP-4	
Depth	0 - 7	7 - 15	7 - 15	0 - 4	0 - 4	
ISGS Site Number	693C-16	693C-16	693C-16	693C-16	693C-16	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	0.021 J	0.05
Barium, SPLP	0.11 J	0.097 J	ND	0.33 J	0.61	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.0027 J	0.005
Chromium, SPLP	ND	ND	ND	0.021 J	0.087	0.1
Cobalt, SPLP	ND	ND	ND	ND	0.024 J	1
Copper, SPLP	ND	ND	ND	0.071	0.11	0.65
Iron, SPLP	0.22	ND	ND	11	73	5
Lead, SPLP	ND	ND	ND	0.015	0.3	0.0075
Manganese, SPLP	ND	ND	ND	0.28	0.76	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	0.013 J	0.07	0.1
Zinc, SPLP	ND	ND	ND	ND	0.59 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.

J - Estimated concentration.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-83013-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
9/10/2014 5:08:36 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(0-7)-082614
Date Collected: 08/26/14 12:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-17
Matrix: Solid
Percent Solids: 91.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.4	ug/Kg	☼		08/29/14 03:36	1
Benzene	<5.4		5.4	0.75	ug/Kg	☼		08/29/14 03:36	1
Bromodichloromethane	<5.4		5.4	0.94	ug/Kg	☼		08/29/14 03:36	1
Bromoform	<5.4		5.4	1.3	ug/Kg	☼		08/29/14 03:36	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 03:36	1
Carbon disulfide	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 03:36	1
Carbon tetrachloride	<5.4		5.4	0.99	ug/Kg	☼		08/29/14 03:36	1
Chlorobenzene	<5.4		5.4	0.55	ug/Kg	☼		08/29/14 03:36	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 03:36	1
Chloroform	<5.4		5.4	0.63	ug/Kg	☼		08/29/14 03:36	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 03:36	1
cis-1,2-Dichloroethene	<5.4		5.4	0.77	ug/Kg	☼		08/29/14 03:36	1
cis-1,3-Dichloropropene	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 03:36	1
Dibromochloromethane	<5.4		5.4	0.95	ug/Kg	☼		08/29/14 03:36	1
1,1-Dichloroethane	<5.4		5.4	0.86	ug/Kg	☼		08/29/14 03:36	1
1,2-Dichloroethane	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 03:36	1
1,1-Dichloroethene	<5.4		5.4	0.88	ug/Kg	☼		08/29/14 03:36	1
1,2-Dichloropropane	<5.4		5.4	0.83	ug/Kg	☼		08/29/14 03:36	1
1,3-Dichloropropene, Total	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 03:36	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 03:36	1
2-Hexanone	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 03:36	1
Methylene Chloride	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 03:36	1
Methyl Ethyl Ketone	<5.4		5.4	2.0	ug/Kg	☼		08/29/14 03:36	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	☼		08/29/14 03:36	1
Methyl tert-butyl ether	<5.4		5.4	0.90	ug/Kg	☼		08/29/14 03:36	1
Styrene	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 03:36	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 03:36	1
Tetrachloroethene	<5.4		5.4	0.83	ug/Kg	☼		08/29/14 03:36	1
Toluene	<5.4		5.4	0.76	ug/Kg	☼		08/29/14 03:36	1
trans-1,2-Dichloroethene	<5.4		5.4	0.75	ug/Kg	☼		08/29/14 03:36	1
trans-1,3-Dichloropropene	<5.4		5.4	0.97	ug/Kg	☼		08/29/14 03:36	1
1,1,1-Trichloroethane	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 03:36	1
1,1,2-Trichloroethane	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 03:36	1
Trichloroethene	<5.4		5.4	0.90	ug/Kg	☼		08/29/14 03:36	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 03:36	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		08/29/14 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/29/14 03:36*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*08/29/14 03:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*08/29/14 03:36*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*08/29/14 03:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<860		860	180	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
1,2-Dichlorobenzene	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
1,3-Dichlorobenzene	<860		860	190	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
1,4-Dichlorobenzene	<860		860	220	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,2'-oxybis[1-chloropropane]	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(0-7)-082614
Date Collected: 08/26/14 12:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-17
Matrix: Solid
Percent Solids: 91.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1700		1700	390	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4,6-Trichlorophenol	<1700		1700	590	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4-Dichlorophenol	<1700		1700	410	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4-Dimethylphenol	<1700		1700	650	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4-Dinitrophenol	<3400		3400	3000	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4-Dinitrotoluene	<860		860	270	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,6-Dinitrotoluene	<860		860	340	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Chloronaphthalene	<860		860	190	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Chlorophenol	<860		860	290	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Methylnaphthalene	<170		170	31	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Methylphenol	<860		860	270	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Nitroaniline	<860		860	230	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Nitrophenol	<1700		1700	400	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
3 & 4 Methylphenol	<860		860	290	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
3,3'-Dichlorobenzidine	<860		860	240	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
3-Nitroaniline	<1700		1700	530	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4,6-Dinitro-2-methylphenol	<1700		1700	1400	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Bromophenyl phenyl ether	<860		860	230	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Chloro-3-methylphenol	<1700		1700	580	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Chloroaniline	<3400		3400	800	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Chlorophenyl phenyl ether	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Nitroaniline	<1700		1700	720	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Nitrophenol	<3400		3400	1600	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Acenaphthene	<170		170	31	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Acenaphthylene	<170		170	23	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Anthracene	<170		170	29	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[a]anthracene	**71**	**J**	170	23	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[a]pyrene	**68**	**J**	170	33	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[b]fluoranthene	**84**	**J**	170	37	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[g,h,i]perylene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[k]fluoranthene	**52**	**J**	170	50	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Bis(2-chloroethoxy)methane	<860		860	170	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Bis(2-chloroethyl)ether	<860		860	260	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Bis(2-ethylhexyl) phthalate	<860		860	310	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Butyl benzyl phthalate	<860		860	330	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Carbazole	<860		860	440	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Chrysene	**93**	**J**	170	47	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Dibenz(a,h)anthracene	<170		170	33	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Dibenzofuran	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Diethyl phthalate	<860		860	290	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Dimethyl phthalate	<860		860	220	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Di-n-butyl phthalate	<860		860	260	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Di-n-octyl phthalate	<860		860	280	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Fluoranthene	**230**		170	32	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Fluorene	<170		170	24	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Hexachlorobenzene	<340		340	40	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Hexachlorobutadiene	<860		860	270	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Hexachlorocyclopentadiene	<3400		3400	980	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Hexachloroethane	<860		860	260	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(0-7)-082614
Date Collected: 08/26/14 12:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-17
Matrix: Solid
Percent Solids: 91.9

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	<170		170	44	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Isophorone	<860		860	190	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Naphthalene	<170		170	26	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Nitrobenzene	<170		170	43	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
N-Nitrosodi-n-propylamine	<860		860	210	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
N-Nitrosodiphenylamine	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Pentachlorophenol	<3400		3400	2700	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Phenanthrene	**160**	**J**	170	24	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Phenol	<860		860	380	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Pyrene	**210**		170	34	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 137*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
2-Fluorobiphenyl	*77*		*25 - 119*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
2-Fluorophenol	*81*		*25 - 110*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
Nitrobenzene-d5	*65*		*25 - 115*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
Phenol-d5	*80*		*31 - 110*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
Terphenyl-d14	*95*		*36 - 134*	*09/03/14 16:55*	*09/08/14 19:36*	*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		09/06/14 08:35	09/08/14 18:45	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:45	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Copper	**0.024**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:45	1
Manganese	**1.0**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Zinc	**0.20**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Iron	**0.22**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:14	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1

Client Sample ID: BP-1(0-7)-082614
Date Collected: 08/26/14 12:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-17
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		09/04/14 08:30	09/05/14 01:14	1
Zinc	0.13	B	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Arsenic	3.3		0.54	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Barium	9.4		0.54	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Beryllium	0.17	J	0.22	0.043	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Cadmium	0.21		0.11	0.014	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Calcium	160000	B	110	29	mg/Kg	☼	09/08/14 18:00	09/09/14 22:38	10
Chromium	5.0		0.54	0.062	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Cobalt	2.7		0.27	0.054	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Copper	7.5		0.54	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Iron	8700		110	44	mg/Kg	☼	09/08/14 18:00	09/09/14 22:38	10
Lead	3.6		0.27	0.080	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Magnesium	89000	B	53	11	mg/Kg	☼	09/08/14 18:00	09/09/14 22:38	10
Manganese	310		0.54	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Nickel	6.0		0.54	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Potassium	1100		27	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Silver	0.034	J B	0.27	0.019	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Sodium	430		54	7.2	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Thallium	0.27	J	0.54	0.23	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Vanadium	7.7	B	0.27	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Zinc	16		1.1	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	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		09/08/14 12:00	09/09/14 11:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 13:15	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	8.5	J	17	6.8	ug/Kg	☼	09/04/14 15:00	09/05/14 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.67		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-18
Matrix: Solid
Percent Solids: 93.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 04:00	1
Benzene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 04:00	1
Bromodichloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 04:00	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 04:00	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 04:00	1
Carbon disulfide	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 04:00	1
Carbon tetrachloride	<5.3		5.3	0.97	ug/Kg	☼		08/29/14 04:00	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/29/14 04:00	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:00	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 04:00	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:00	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 04:00	1
cis-1,3-Dichloropropene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 04:00	1
Dibromochloromethane	<5.3		5.3	0.93	ug/Kg	☼		08/29/14 04:00	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/29/14 04:00	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 04:00	1
1,1-Dichloroethene	<5.3		5.3	0.86	ug/Kg	☼		08/29/14 04:00	1
1,2-Dichloropropane	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 04:00	1
1,3-Dichloropropene, Total	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 04:00	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:00	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 04:00	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:00	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 04:00	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:00	1
Methyl tert-butyl ether	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 04:00	1
Styrene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 04:00	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:00	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 04:00	1
Toluene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 04:00	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 04:00	1
trans-1,3-Dichloropropene	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 04:00	1
1,1,1-Trichloroethane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 04:00	1
1,1,2-Trichloroethane	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 04:00	1
Trichloroethene	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 04:00	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:00	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*08/29/14 04:00*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*08/29/14 04:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*08/29/14 04:00*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*08/29/14 04:00*	*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	☼	09/03/14 16:55	09/08/14 17:16	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-18
Matrix: Solid
Percent Solids: 93.8

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	80	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Anthracene	<35		35	5.8	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[a]anthracene	**8.9**	**J**	35	4.7	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[a]pyrene	**8.2**	**J**	35	6.8	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[b]fluoranthene	**11**	**J**	35	7.5	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Carbazole	<180		180	90	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Chrysene	**12**	**J**	35	9.5	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Fluoranthene	**27**	**J**	35	6.5	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Fluorene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-18
Matrix: Solid
Percent Solids: 93.8

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	<35		35	9.0	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Isophorone	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Phenanthrene	**18**	**J**	35	4.9	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Phenol	<180		180	78	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Pyrene	**24**	**J**	35	6.9	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*47*		*35 - 137*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
2-Fluorobiphenyl	*45*		*25 - 119*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
2-Fluorophenol	*45*		*25 - 110*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
Phenol-d5	*45*		*31 - 110*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
Terphenyl-d14	*56*		*36 - 134*	*09/03/14 16:55*	*09/08/14 17:16*	*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		09/06/14 08:35	09/08/14 18:51	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:51	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Copper	**0.044**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:51	1
Manganese	**1.2**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Zinc	**0.20**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Barium	**0.097**	**J**	0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:18	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:18	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1

Client Sample ID: BP-1(7-15)-082614
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-18
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		09/04/14 08:30	09/05/14 01:18	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:18	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.41	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Arsenic	**2.7**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Barium	**9.7**		0.50	0.054	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Beryllium	**0.27**		0.20	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Cadmium	**0.28**		0.10	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Calcium	**150000**	**B**	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 22:42	10
Chromium	**6.9**		0.50	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Cobalt	**3.3**		0.25	0.050	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Copper	**7.2**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Iron	**5100**		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 22:42	10
Lead	**3.1**		0.25	0.075	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Magnesium	**84000**	**B**	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 22:42	10
Manganese	**360**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Nickel	**6.1**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Potassium	**1100**		25	1.5	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Silver	**0.019**	**J B**	0.25	0.018	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Sodium	**660**		50	6.8	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Thallium	**0.32**	**J**	0.50	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Vanadium	**9.7**	**B**	0.25	0.037	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Zinc	**16**		1.0	0.20	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	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		09/08/14 12:00	09/09/14 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 13:17	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	<17		17	6.6	ug/Kg	☼	09/04/14 15:00	09/05/14 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.63**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614D
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-19
Matrix: Solid
Percent Solids: 94.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 04:24	1
Benzene	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 04:24	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/29/14 04:24	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 04:24	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 04:24	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 04:24	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 04:24	1
Chlorobenzene	<5.3		5.3	0.53	ug/Kg	☼		08/29/14 04:24	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:24	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 04:24	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:24	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 04:24	1
cis-1,3-Dichloropropene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 04:24	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 04:24	1
1,1-Dichloroethane	<5.3		5.3	0.83	ug/Kg	☼		08/29/14 04:24	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/29/14 04:24	1
1,1-Dichloroethene	<5.3		5.3	0.85	ug/Kg	☼		08/29/14 04:24	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 04:24	1
1,3-Dichloropropene, Total	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 04:24	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:24	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 04:24	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:24	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 04:24	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:24	1
Methyl tert-butyl ether	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 04:24	1
Styrene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 04:24	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:24	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 04:24	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/29/14 04:24	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 04:24	1
trans-1,3-Dichloropropene	<5.3		5.3	0.94	ug/Kg	☼		08/29/14 04:24	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 04:24	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 04:24	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 04:24	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:24	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/29/14 04:24*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*08/29/14 04:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*08/29/14 04:24*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 04:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614D
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-19
Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4-Dinitrophenol	<690		690	610	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Methylphenol	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Anthracene	<34		34	5.7	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[a]anthracene	**13**	**J**	34	4.6	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[a]pyrene	**8.9**	**J**	34	6.7	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[b]fluoranthene	**17**	**J**	34	7.4	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[g,h,i]perylene	**11**	**J**	34	11	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Carbazole	<170		170	89	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Chrysene	**14**	**J**	34	9.4	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Fluoranthene	**39**		34	6.4	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Hexachlorobenzene	<69		69	8.0	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Hexachloroethane	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614D
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-19
Matrix: Solid
Percent Solids: 94.8

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	<34		34	8.9	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Isophorone	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Phenanthrene	**25**	**J**	34	4.8	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Phenol	<170		170	76	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Pyrene	**35**		34	6.8	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
2-Fluorobiphenyl	*66*		*25 - 119*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
2-Fluorophenol	*71*		*25 - 110*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
Phenol-d5	*72*		*31 - 110*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
Terphenyl-d14	*93*		*36 - 134*	*09/03/14 16:55*	*09/09/14 17:35*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:58	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Copper	**0.029**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Iron	**1.3**		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:58	1
Manganese	**3.8**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Nickel	**0.033**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Zinc	**0.19**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:58	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		09/04/14 08:30	09/05/14 01:22	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:22	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:22	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1

Client Sample ID: BP-1(7-15)-082614D
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-19
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		09/04/14 08:30	09/05/14 01:22	1
Zinc	**0.020**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<9.7		9.7	3.9	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Arsenic	**2.2**	**J**	4.8	0.96	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Barium	**11**		4.8	0.52	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Beryllium	**0.42**	**J**	1.9	0.39	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Cadmium	**0.40**	**J**	0.97	0.12	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Calcium	**160000**	**B**	97	26	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Chromium	**5.9**	**B**	4.8	0.56	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Cobalt	**3.0**		2.4	0.48	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Copper	**7.3**		4.8	0.97	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Iron	**10000**		97	40	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Lead	**4.8**	**B**	2.4	0.72	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Magnesium	**88000**	**B**	48	10	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Manganese	**490**		4.8	0.97	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Nickel	**8.1**		4.8	0.97	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Potassium	**670**		240	15	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Selenium	<2.4		2.4	0.86	mg/Kg	☼	09/08/14 18:00	09/10/14 13:27	5
Silver	<2.4		2.4	0.18	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Sodium	**470**	**J**	480	65	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Thallium	<4.8		4.8	2.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Vanadium	**8.7**		2.4	0.36	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Zinc	**23**		9.7	2.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11**	**J**	16	6.3	ug/Kg	☼	09/04/14 15:00	09/05/14 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.69**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
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 #: 500-83013

Chain of Custody Number:

Page 2 of 4

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / 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		SS-3 (0-8)-082614	8-26-14	1000	2	S		X	X	X	X	X					
12		SS-3 (8-16)-082614		1015													
13		SS-1 (0-7)-082614		1130													
14		SS-1 (7-15)-082614		1135													
15		VL-1 (0-7)-082614		1220													
16		VL-1 (7-15)-082614		1225													
17		BP-1 (0-7)-082614		1250													
18		BP-1 (7-15)-082614		1255													
19		BP-1 (7-15)-082614D		1255													
20		BP-2 (0-7)-082614	8-26-14	1325	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	8-26-14	1600		TA	8-26-14	1600
	TAC	8-26-14	1650		TA	8/27/14	0630

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

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-83014-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 2:48:06 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: BP-3(0-4)-082614
Date Collected: 08/26/14 13:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-2
Matrix: Solid
Percent Solids: 88.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.4	ug/Kg	☼		08/28/14 19:23	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/28/14 19:23	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/28/14 19:23	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		08/28/14 19:23	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/28/14 19:23	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/28/14 19:23	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/28/14 19:23	1
Chlorobenzene	<5.7		5.7	0.57	ug/Kg	☼		08/28/14 19:23	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		08/28/14 19:23	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		08/28/14 19:23	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/28/14 19:23	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		08/28/14 19:23	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	☼		08/28/14 19:23	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/28/14 19:23	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/28/14 19:23	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/28/14 19:23	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/28/14 19:23	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		08/28/14 19:23	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	☼		08/28/14 19:23	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		08/28/14 19:23	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/28/14 19:23	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/28/14 19:23	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/28/14 19:23	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/28/14 19:23	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/28/14 19:23	1
Styrene	<5.7		5.7	0.74	ug/Kg	☼		08/28/14 19:23	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/28/14 19:23	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/28/14 19:23	1
Toluene	<5.7		5.7	0.79	ug/Kg	☼		08/28/14 19:23	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/28/14 19:23	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/28/14 19:23	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/28/14 19:23	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	☼		08/28/14 19:23	1
Trichloroethene	<5.7		5.7	0.93	ug/Kg	☼		08/28/14 19:23	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/28/14 19:23	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/28/14 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*08/28/14 19:23*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/28/14 19:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/28/14 19:23*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/28/14 19:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: BP-3(0-4)-082614
Date Collected: 08/26/14 13:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-2
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Benzo[a]anthracene	**7.5**	**J**	37	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Benzo[a]pyrene	**14**	**J**	37	7.2	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Benzo[b]fluoranthene	**15**	**J**	37	8.0	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Benzo[g,h,i]perylene	**22**	**J**	37	12	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Carbazole	<190		190	96	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Chrysene	<37		37	10	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Hexachlorocyclopentadiene	<750	*	750	210	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1

Client Sample ID: BP-3(0-4)-082614
Date Collected: 08/26/14 13:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-2
Matrix: Solid
Percent Solids: 88.3

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	**13**	**J**	37	9.7	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Isophorone	<190		190	42	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Phenol	<190		190	83	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1
Pyrene	<37		37	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*09/04/14 16:15*	*09/08/14 19:53*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*09/04/14 16:15*	*09/08/14 19:53*	*1*
2-Fluorophenol	*58*		*25 - 110*	*09/04/14 16:15*	*09/08/14 19:53*	*1*
Nitrobenzene-d5	*56*		*25 - 115*	*09/04/14 16:15*	*09/08/14 19:53*	*1*
Phenol-d5	*70*		*31 - 110*	*09/04/14 16:15*	*09/08/14 19:53*	*1*
Terphenyl-d14	*67*		*36 - 134*	*09/04/14 16:15*	*09/08/14 19:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:05	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		09/06/14 09:10	09/08/14 20:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 20:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 20:05	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:05	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:05	1
Copper	**0.045**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:05	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 20:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 20:05	1
Manganese	**3.0**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:05	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:05	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:05	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:05	1
Zinc	**0.19**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:06	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:06	1
Chromium	**0.021**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:06	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:06	1
Copper	**0.071**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:06	1
Iron	**11**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:06	1
Lead	**0.015**		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:06	1
Manganese	**0.28**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:06	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:06	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:06	1

Client Sample ID: BP-3(0-4)-082614
Date Collected: 08/26/14 13:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-2
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		09/04/14 08:55	09/04/14 17:06	1
Zinc	**0.26**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Arsenic	**5.0**		0.56	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Barium	**28**		0.56	0.060	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Beryllium	**0.36**		0.23	0.045	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Cadmium	**0.31**		0.11	0.014	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Calcium	**120000**	**B**	110	31	mg/Kg	☼	09/04/14 09:55	09/05/14 14:34	10
Chromium	**11**		0.56	0.065	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Cobalt	**3.9**		0.28	0.056	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Copper	**12**		0.56	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Iron	**10000**		11	4.6	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Lead	**12**		0.28	0.084	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Magnesium	**50000**	**B**	5.6	1.2	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Manganese	**360**		0.56	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Nickel	**10**		0.56	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Potassium	**1600**		28	1.7	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Silver	**0.039**	**J B**	0.28	0.020	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Sodium	**1300**		56	7.6	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Thallium	**0.37**	**J**	0.56	0.24	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Vanadium	**17**		0.28	0.042	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1
Zinc	**31**		1.1	0.23	mg/Kg	☼	09/04/14 09:55	09/05/14 06:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 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		09/04/14 12:30	09/05/14 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J**	18	6.9	ug/Kg	☼	09/05/14 15:30	09/08/14 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.95**		0.200	0.200	SU			09/03/14 12:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: BP-4(0-4)-082614
Date Collected: 08/26/14 14:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-3
Matrix: Solid
Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<70		70	14	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
1,1,2,2-Tetrachloroethane	<70		70	16	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
1,1,2-Trichloroethane	<70		70	19	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
1,1-Dichloroethane	<70		70	13	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
1,1-Dichloroethene	<70		70	21	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
1,2-Dichloroethane	<70		70	20	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
1,2-Dichloropropane	<70		70	14	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
1,3-Dichloropropene, Total	<70		70	12	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
2-Hexanone	<350		350	39	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Acetone	<350		350	91	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Benzene	<17		17	5.2	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Bromodichloromethane	<140		140	24	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Bromoform	<140		140	31	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Bromomethane	<140		140	48	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Carbon disulfide	<350		350	30	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Carbon tetrachloride	<70		70	18	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Chlorobenzene	<70		70	10	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Chloroethane	<140		140	30	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Chloroform	<70		70	14	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Chloromethane	<140		140	32	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
cis-1,2-Dichloroethene	<70		70	8.6	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
cis-1,3-Dichloropropene	<70		70	12	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Dibromochloromethane	<140		140	24	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Ethylbenzene	<17		17	8.8	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Methyl Ethyl Ketone	<350		350	100	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
methyl isobutyl ketone	<350		350	23	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Methyl tert-butyl ether	<140		140	30	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Methylene Chloride	<350		350	48	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Styrene	<70		70	6.9	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Tetrachloroethene	<70		70	12	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Toluene	<17		17	8.0	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
trans-1,2-Dichloroethene	<70		70	17	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
trans-1,3-Dichloropropene	<70		70	15	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Trichloroethene	<35		35	13	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Vinyl chloride	<17		17	7.3	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50
Xylenes, Total	<35		35	4.8	ug/Kg	☼	08/27/14 16:33	09/03/14 19:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*	*08/27/14 16:33*	*09/03/14 19:57*	*50*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*	*08/27/14 16:33*	*09/03/14 19:57*	*50*
Dibromofluoromethane	*97*		*75 - 120*	*08/27/14 16:33*	*09/03/14 19:57*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*08/27/14 16:33*	*09/03/14 19:57*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: BP-4(0-4)-082614
Date Collected: 08/26/14 14:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-3
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	<380		380	87	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Benzo[a]anthracene	**6.0**	**J**	38	5.2	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Benzo[a]pyrene	**9.7**	**J**	38	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Benzo[b]fluoranthene	**14**	**J**	38	8.3	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Carbazole	<190		190	99	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Chrysene	<38		38	10	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Hexachlorocyclopentadiene	<770	*	770	220	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: BP-4(0-4)-082614
Date Collected: 08/26/14 14:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-3
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	<38		38	9.9	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Isophorone	<190		190	43	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Phenol	<190		190	85	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1
Pyrene	<38		38	7.6	ug/Kg	☼	09/04/14 16:15	09/08/14 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*09/04/14 16:15*	*09/08/14 20:17*	*1*
2-Fluorobiphenyl	*52*		*25 - 119*	*09/04/14 16:15*	*09/08/14 20:17*	*1*
2-Fluorophenol	*54*		*25 - 110*	*09/04/14 16:15*	*09/08/14 20:17*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*09/04/14 16:15*	*09/08/14 20:17*	*1*
Phenol-d5	*63*		*31 - 110*	*09/04/14 16:15*	*09/08/14 20:17*	*1*
Terphenyl-d14	*59*		*36 - 134*	*09/04/14 16:15*	*09/08/14 20:17*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:11	1
Barium	**0.57**		0.50	0.050	mg/L		09/06/14 09:10	09/08/14 20:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 20:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 20:11	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:11	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:11	1
Copper	**0.022**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:11	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 20:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 20:11	1
Manganese	**0.40**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:11	1
Nickel	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:11	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:11	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:11	1
Zinc	**0.18**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.021**	**J**	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:10	1
Barium	**0.61**		0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:10	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:10	1
Chromium	**0.087**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:10	1
Cobalt	**0.024**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:10	1
Copper	**0.11**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:10	1
Iron	**73**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:10	1
Lead	**0.30**		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:10	1
Manganese	**0.76**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:10	1
Nickel	**0.070**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:10	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:10	1

Client Sample ID: BP-4(0-4)-082614
Date Collected: 08/26/14 14:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-3
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		09/04/14 08:55	09/04/14 17:10	1
Zinc	**0.59**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Arsenic	**5.6**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Barium	**48**		0.57	0.061	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Beryllium	**0.42**		0.23	0.046	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Cadmium	**0.37**		0.11	0.015	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Calcium	**110000**	**B**	110	31	mg/Kg	☼	09/04/14 09:55	09/05/14 14:38	10
Chromium	**11**		0.57	0.067	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Cobalt	**4.4**		0.29	0.057	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Copper	**15**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Iron	**11000**		11	4.7	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Lead	**20**		0.29	0.086	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Magnesium	**50000**	**B**	5.7	1.2	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Manganese	**430**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Nickel	**11**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Potassium	**1900**		29	1.7	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Silver	**0.022**	**J B**	0.29	0.021	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Sodium	**1700**		57	7.7	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Thallium	**0.42**	**J**	0.57	0.24	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Vanadium	**19**		0.29	0.042	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1
Zinc	**33**		1.1	0.23	mg/Kg	☼	09/04/14 09:55	09/05/14 06:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 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		09/04/14 12:30	09/05/14 10:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**34**		19	7.3	ug/Kg	☼	09/05/14 15:30	09/08/14 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.99**		0.200	0.200	SU			09/03/14 13:02	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-83014 COC

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-364-7250
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-83014

Chain of Custody Number:

Page 3 of 4

Temperature °C of Cooler: (3.2) (2.6)

Client	Client Project #	Preservative
Weston		
Project Name: IDOT-085		Parameter
Project Location/State: Channahon/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		BP-2(7-15)-082614	8-26-14	1330	2	S	X	X	X	X	X	
2		BP-3(0-4)-082614		1350								
3		BP-4(0-4)-082614		1400								
4		SS-8(0-4)-082614		1410								
5		SS-9(0-5)-082614		1420								
6		SS-9(5-10)-082614		1425								
7		SS-10(0-8)-082614		1455								
8		SS-10(8-16)-082614		1505								
9		SS-10(16-23)-082614		1515								
10		SS-10(16-23)-082614D	8-26-14	1515	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	8-26-14	1600		TA	8/26/14	1600
		8-26-14	1650		TA	8/27/14	0630

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: FAI 55: Interstate 55 at US Route 6 Office Phone Number, if available: _____

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

23813-23819 Eames Street

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.456967873 (Decimal Degrees) Longitude: -88.194262425 (-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: FAI 55: Interstate 55 at US Route 6

Latitude: 41.456967873 Longitude: -88.194262425

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 CB-1 AND CB-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 963C-18. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-82944-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/6/14
Date:

LICENSED PROFESSIONAL GEOLOGIST
KURT T. FISCHER
196-000881
ILLINOIS

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

Summary Table of ISGS Site No. 963C-18
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	CB-1(0-7)-082514	CB-1(0-7)-082514D	CB-1(7-15)-082514	CB-2(0-4)-082514	Soil Reference Concentrations[A]
Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	CB-1	CB-1	CB-1	CB-2	
Depth	0 - 7	0 - 7	7 - 15	0 - 4	
ISGS Site Number	693C-18	693C-18	693C-18	693C-18	
Parameter					
Laboratory pH (s.u.)	8.89	8.7	7.46	9	<6.25,>9.0
VOCs (ug/kg)					
Acetone	ND	110	100	27	25000
Methyl ethyl ketone	ND	18 J	20	5.1 J	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	20 J	15 J	ND	84 J	---
3 & 4 Methylphenol	ND	ND	ND	ND	---
Acenaphthene	69 J	110 J	ND	180 J	570000
Acenaphthylene	8.6 J	ND	ND	ND	570000
Anthracene	140	220	ND	370 J	1.20E+07
Benzo(a)anthracene	290 J-	440	ND	780 J	900 / 1100 / 1800
Benzo(a)pyrene	280 J	330	ND	570 J	90 / 1300 / 2100
Benzo(b)fluoranthene	350 J	500	ND	780 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	220 J	230	ND	470 J	2300000
Benzo(k)fluoranthene	200 J	160	ND	440 J	9000
bis(2-Ethylhexyl)phthalate	460 J	88 J	ND	ND	46000
Carbazole	ND	150 J	ND	ND	600
Chrysene	320 J-	490	ND	870 J	88000
Dibenzo(a,h)anthracene	36 J	61 J	ND	170 J	90 / 200 / 420
Dibenzofuran	ND	52 J	ND	ND	---
Fluoranthene	810 J	1300	ND	2100 J	3100000
Fluorene	62 J	110 J	ND	180 J	560000
Indeno(1,2,3-cd)pyrene	190 J	190	ND	400 J	900 / 900 / 1600
Naphthalene, SVOC	12 J	12 J	ND	28 J	1800
Phenanthrene	470 J	1200 J	ND	2000 J	210000
Pyrene	770 J	1300 J	ND	2400 J	2300000
Total Metals (mg/kg)					
Arsenic, Total	4.3	4.3	6.1	3.8	11.3 / 13
Barium, Total	33	43	36	34	1500
Beryllium, Total	0.31	0.34	0.43	0.35	22
Cadmium, Total	0.22 J-	0.32 J-	0.26 J-	0.36 J-	5.2
Calcium, Total	98000 J+	150000 J+	140000 J+	120000 J+	---
Chromium, Total	9.3 J	9.4 J	12 J	9.8 J	21
Cobalt, Total	4 J-	3.8 J-	4.3 J-	4.2 J-	20
Copper, Total	13 B	12 B	14 B	12 B	2900
Iron, Total	9300 J+	9900 J+	12000 J+	9700 J+	15000 / 15900
Lead, Total	30 J	34 J	6.4 J	84 J	107
Magnesium, Total	45000 J	85000 J	80000 J+	66000 J+	325000
Manganese, Total	350 J	480 J	420 J	400 J	630
Mercury, Total	0.016 J	0.034 J	0.023 J	0.027 J	0.89
Nickel, Total	9.9 J-	9.2 J-	12 J-	9 J-	100
Potassium, Total	1500 J+	1700 J+	2100 J+	1600 J+	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	1100 J+	1200 J+	940 J+	820 J+	---
Thallium, Total	0.74	0.63	0.7	0.42 J	2.6
Vanadium, Total	16	17	21	14	550
Zinc, Total	34 J-	40 J-	22 J-	43 J-	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	0.011 J	ND	0.01 J	0.05
Barium, TCLP	0.69	0.63	0.56	0.67	2
Cadmium, TCLP	ND	ND	ND	0.0025 J	0.005
Cobalt, TCLP	0.024 J	0.023 J	ND	0.026	1
Copper, TCLP	0.02 J	0.06 J	0.019 J	0.074	0.65
Iron, TCLP	0.33	0.31	ND	ND	5
Lead, TCLP	0.0095	0.01	ND	0.068	0.0075
Manganese, TCLP	5.2	5.8	0.82	5.1	0.15
Nickel, TCLP	0.029	0.03	ND	0.032	0.1
Zinc, TCLP	0.35	0.3	0.23	0.43	5

Summary Table of ISGS Site No. 963C-18
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	CB-1(0-7)-082514	CB-1(0-7)-082514D	CB-1(7-15)-082514	CB-2(0-4)-082514	**Soil Reference Concentrations[A]**
Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	CB-1	CB-1	CB-1	CB-2	
Depth	0 - 7	0 - 7	7 - 15	0 - 4	
ISGS Site Number	693C-18	693C-18	693C-18	693C-18	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.018 J	0.019 J	ND	ND	0.05
Barium, SPLP	0.26 J	0.27 J	0.09 J	0.056 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.057	0.063	0.023 J	ND	0.1
Cobalt, SPLP	0.021 J	0.021 J	ND	ND	1
Copper, SPLP	ND	0.097 B	ND	ND	0.65
Iron, SPLP	57	60	19	7.5	5
Lead, SPLP	0.18	0.18	0.014	0.068	0.0075
Manganese, SPLP	0.67	0.67	0.21	0.12	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.056	0.062	0.018 J	ND	0.1
Zinc, SPLP	0.22	0.29	0.049 J	0.053 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.

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

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-82944-1
Client Project/Site: IDOT - Channahon - WO 085

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 3:20:14 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514
Date Collected: 08/25/14 08:55
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-1
Matrix: Solid
Percent Solids: 90.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	☼		08/27/14 15:22	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 15:22	1
Bromodichloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/27/14 15:22	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/27/14 15:22	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/27/14 15:22	1
Carbon disulfide	<5.5		5.5	0.83	ug/Kg	☼		08/27/14 15:22	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/27/14 15:22	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/27/14 15:22	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 15:22	1
Chloroform	<5.5		5.5	0.64	ug/Kg	☼		08/27/14 15:22	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/27/14 15:22	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/27/14 15:22	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 15:22	1
Dibromochloromethane	<5.5		5.5	0.97	ug/Kg	☼		08/27/14 15:22	1
1,1-Dichloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/27/14 15:22	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/27/14 15:22	1
1,1-Dichloroethene	<5.5		5.5	0.90	ug/Kg	☼		08/27/14 15:22	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		08/27/14 15:22	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 15:22	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/27/14 15:22	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/27/14 15:22	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 15:22	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/14 15:22	1
methyl isobutyl ketone	<5.5		5.5	1.5	ug/Kg	☼		08/27/14 15:22	1
Methyl tert-butyl ether	<5.5		5.5	0.92	ug/Kg	☼		08/27/14 15:22	1
Styrene	<5.5		5.5	0.73	ug/Kg	☼		08/27/14 15:22	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/14 15:22	1
Tetrachloroethene	<5.5		5.5	0.85	ug/Kg	☼		08/27/14 15:22	1
Toluene	<5.5		5.5	0.78	ug/Kg	☼		08/27/14 15:22	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 15:22	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		08/27/14 15:22	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	☼		08/27/14 15:22	1
1,1,2-Trichloroethane	<5.5		5.5	0.76	ug/Kg	☼		08/27/14 15:22	1
Trichloroethene	<5.5		5.5	0.92	ug/Kg	☼		08/27/14 15:22	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/14 15:22	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/27/14 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/27/14 15:22*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/27/14 15:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*08/27/14 15:22*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/27/14 15:22*	*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	☼	09/02/14 07:19	09/09/14 15:17	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514
Date Collected: 08/25/14 08:55
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-1
Matrix: Solid
Percent Solids: 90.1

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	82	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Methylnaphthalene	**20**	**J**	36	6.6	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Acenaphthene	**69**		36	6.4	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Acenaphthylene	**8.6**	**J**	36	4.7	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Anthracene	**140**		36	6.0	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[a]anthracene	**290**		36	4.8	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[a]pyrene	**280**		36	6.9	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[b]fluoranthene	**350**		36	7.7	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[g,h,i]perylene	**220**		36	12	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[k]fluoranthene	**200**		36	11	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Bis(2-ethylhexyl) phthalate	**460**		180	65	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Carbazole	<180		180	92	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Chrysene	**320**		36	9.8	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Dibenz(a,h)anthracene	**36**		36	6.9	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Fluoranthene	**810**		36	6.6	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Fluorene	**62**		36	5.0	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514
Date Collected: 08/25/14 08:55
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-1
Matrix: Solid
Percent Solids: 90.1

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	190		36	9.3	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Isophorone	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Naphthalene	12	J	36	5.5	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Phenanthrene	470		36	5.0	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Phenol	<180		180	80	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Pyrene	770		36	7.1	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 137*	*09/02/14 07:19*	*09/09/14 15:17*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*09/02/14 07:19*	*09/09/14 15:17*	*1*
2-Fluorophenol	*74*		*25 - 110*	*09/02/14 07:19*	*09/09/14 15:17*	*1*
Nitrobenzene-d5	*66*		*25 - 115*	*09/02/14 07:19*	*09/09/14 15:17*	*1*
Phenol-d5	*76*		*31 - 110*	*09/02/14 07:19*	*09/09/14 15:17*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/02/14 07:19*	*09/09/14 15:17*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Barium	0.69		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 12:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 12:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 12:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Cobalt	0.024	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Copper	0.020	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Iron	0.33		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 12:41	1
Lead	0.0095		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 12:41	1
Manganese	5.2		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Nickel	0.029		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Selenium	0.016	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Zinc	0.35		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Barium	0.26	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:16	1
Chromium	0.057		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Cobalt	0.021	J	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Copper	0.059	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Iron	57		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:16	1
Lead	0.18		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:16	1
Manganese	0.67		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Nickel	0.056		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1

Client Sample ID: CB-1(0-7)-082514
Date Collected: 08/25/14 08:55
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-1
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		09/02/14 15:40	09/05/14 02:16	1
Zinc	**0.22**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.41	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Arsenic	**4.3**		0.51	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Barium	**33**		0.51	0.055	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Beryllium	**0.31**		0.21	0.041	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Cadmium	**0.22**		0.10	0.013	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Calcium	**98000**	**B**	100	28	mg/Kg	☼	09/03/14 10:00	09/05/14 23:34	10
Chromium	**9.3**	**B**	0.51	0.059	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Cobalt	**4.0**		0.26	0.051	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Copper	**13**	**B**	0.51	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Iron	**9300**		10	4.2	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Lead	**30**		0.26	0.076	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Magnesium	**45000**	**B**	5.1	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Manganese	**350**		0.51	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Nickel	**9.9**		0.51	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Potassium	**1500**		26	1.5	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Selenium	<0.51		0.51	0.18	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Sodium	**1100**	**B**	51	6.9	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Thallium	**0.74**		0.51	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Vanadium	**16**		0.26	0.038	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Zinc	**34**	**B**	1.0	0.21	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**		16	6.3	ug/Kg	☼	09/03/14 14:30	09/04/14 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.89**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514D
Date Collected: 08/25/14 08:55
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-2
Matrix: Solid
Percent Solids: 86.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**110**		5.8	2.5	ug/Kg	☼		08/27/14 15:44	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/27/14 15:44	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		08/27/14 15:44	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/27/14 15:44	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		08/27/14 15:44	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		08/27/14 15:44	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/27/14 15:44	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/27/14 15:44	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/27/14 15:44	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		08/27/14 15:44	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 15:44	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/27/14 15:44	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 15:44	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/27/14 15:44	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		08/27/14 15:44	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/27/14 15:44	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		08/27/14 15:44	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/27/14 15:44	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 15:44	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 15:44	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/27/14 15:44	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/27/14 15:44	1
Methyl Ethyl Ketone	**18**		5.8	2.1	ug/Kg	☼		08/27/14 15:44	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/27/14 15:44	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		08/27/14 15:44	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 15:44	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 15:44	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		08/27/14 15:44	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/27/14 15:44	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		08/27/14 15:44	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/27/14 15:44	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/27/14 15:44	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/27/14 15:44	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		08/27/14 15:44	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 15:44	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		08/27/14 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*08/27/14 15:44*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*08/27/14 15:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/27/14 15:44*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/27/14 15:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514D
Date Collected: 08/25/14 08:55
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-2
Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Methylnaphthalene	**15**	**J**	37	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Acenaphthene	**110**		37	6.8	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Anthracene	**220**		37	6.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[a]anthracene	**440**		37	5.1	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[a]pyrene	**330**		37	7.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[b]fluoranthene	**500**		37	8.1	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[g,h,i]perylene	**230**		37	12	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[k]fluoranthene	**160**		37	11	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Bis(2-ethylhexyl) phthalate	**88**	**J**	190	69	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Carbazole	**150**	**J**	190	97	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Chrysene	**490**		37	10	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Dibenz(a,h)anthracene	**61**		37	7.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Dibenzofuran	**52**	**J**	190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Fluoranthene	**1300**		37	7.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Fluorene	**110**		37	5.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514D
Date Collected: 08/25/14 08:55
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-2
Matrix: Solid
Percent Solids: 86.5

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	190		37	9.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Naphthalene	12	J	37	5.8	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Phenanthrene	1200		37	5.2	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Phenol	<190		190	84	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Pyrene	1300		37	7.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*09/02/14 07:19*	*09/03/14 16:34*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*09/02/14 07:19*	*09/03/14 16:34*	*1*
2-Fluorophenol	*42*		*25 - 110*	*09/02/14 07:19*	*09/03/14 16:34*	*1*
Nitrobenzene-d5	*42*		*25 - 115*	*09/02/14 07:19*	*09/03/14 16:34*	*1*
Phenol-d5	*44*		*31 - 110*	*09/02/14 07:19*	*09/03/14 16:34*	*1*
Terphenyl-d14	*67*		*36 - 134*	*09/02/14 07:19*	*09/03/14 16:34*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Barium	0.63		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:01	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Cobalt	0.023	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Copper	0.060		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Iron	0.31		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:01	1
Lead	0.010		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:01	1
Manganese	5.8		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Nickel	0.030		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Selenium	0.017	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Zinc	0.30		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Barium	0.27	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:20	1
Chromium	0.063		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Cobalt	0.021	J	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Copper	0.097	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Iron	60		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:20	1
Lead	0.18		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:20	1
Manganese	0.67		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Nickel	0.062		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1

Client Sample ID: CB-1(0-7)-082514D
Date Collected: 08/25/14 08:55
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-2
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		09/02/14 15:40	09/05/14 02:20	1
Zinc	**0.29**		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Arsenic	**4.3**		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Barium	**43**		0.56	0.060	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Beryllium	**0.34**		0.22	0.045	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Cadmium	**0.32**		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Calcium	**150000**	**B**	110	30	mg/Kg	☼	09/03/14 10:00	09/06/14 00:03	10
Chromium	**9.4**	**B**	0.56	0.065	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Cobalt	**3.8**		0.28	0.056	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Copper	**12**	**B**	0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Iron	**9900**		11	4.6	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Lead	**34**		0.28	0.083	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Magnesium	**85000**	**B**	56	12	mg/Kg	☼	09/03/14 10:00	09/06/14 00:03	10
Manganese	**480**		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Nickel	**9.2**		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Potassium	**1700**		28	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Sodium	**1200**	**B**	56	7.5	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Thallium	**0.63**		0.56	0.24	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Vanadium	**17**		0.28	0.041	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Zinc	**40**	**B**	1.1	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**34**		17	6.6	ug/Kg	☼	09/03/14 14:30	09/04/14 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.70**		0.200	0.200	SU			08/28/14 23:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(7-15)-082514
Date Collected: 08/25/14 09:00
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-3
Matrix: Solid
Percent Solids: 84.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**100**		5.9	2.6	ug/Kg	☼		08/27/14 16:07	1
Benzene	<5.9		5.9	0.82	ug/Kg	☼		08/27/14 16:07	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/27/14 16:07	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		08/27/14 16:07	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/27/14 16:07	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		08/27/14 16:07	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/27/14 16:07	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		08/27/14 16:07	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/27/14 16:07	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		08/27/14 16:07	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/27/14 16:07	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		08/27/14 16:07	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		08/27/14 16:07	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/27/14 16:07	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		08/27/14 16:07	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/27/14 16:07	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		08/27/14 16:07	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		08/27/14 16:07	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		08/27/14 16:07	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/27/14 16:07	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/27/14 16:07	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/27/14 16:07	1
Methyl Ethyl Ketone	**20**		5.9	2.2	ug/Kg	☼		08/27/14 16:07	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		08/27/14 16:07	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		08/27/14 16:07	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		08/27/14 16:07	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/27/14 16:07	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		08/27/14 16:07	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		08/27/14 16:07	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		08/27/14 16:07	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		08/27/14 16:07	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		08/27/14 16:07	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		08/27/14 16:07	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		08/27/14 16:07	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/27/14 16:07	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/27/14 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/27/14 16:07*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/27/14 16:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/27/14 16:07*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/27/14 16:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(7-15)-082514
Date Collected: 08/25/14 09:00
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-3
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	<380		380	87	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Carbazole	<190		190	99	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Chrysene	<38		38	10	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(7-15)-082514
Date Collected: 08/25/14 09:00
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-3
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	<38		38	9.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Isophorone	<190		190	43	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Phenol	<190		190	85	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Pyrene	<38		38	7.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*09/02/14 07:19*	*09/03/14 14:07*	*1*
2-Fluorobiphenyl	*42*		*25 - 119*	*09/02/14 07:19*	*09/03/14 14:07*	*1*
2-Fluorophenol	*36*		*25 - 110*	*09/02/14 07:19*	*09/03/14 14:07*	*1*
Nitrobenzene-d5	*38*		*25 - 115*	*09/02/14 07:19*	*09/03/14 14:07*	*1*
Phenol-d5	*36*		*31 - 110*	*09/02/14 07:19*	*09/03/14 14:07*	*1*
Terphenyl-d14	*54*		*36 - 134*	*09/02/14 07:19*	*09/03/14 14:07*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Barium	**0.56**		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:06	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Copper	**0.019**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:06	1
Manganese	**0.82**		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Selenium	**0.015**	**J B**	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Zinc	**0.23**		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Barium	**0.090**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:24	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Copper	**0.019**	**J B**	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Iron	**19**		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:24	1
Lead	**0.014**		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:24	1
Manganese	**0.21**		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(7-15)-082514
Date Collected: 08/25/14 09:00
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-3
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		09/02/14 15:40	09/05/14 02:24	1
Zinc	**0.049**	**J**	0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Arsenic	**6.1**		0.57	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Barium	**36**		0.57	0.061	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Beryllium	**0.43**		0.23	0.046	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Cadmium	**0.26**		0.11	0.015	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Calcium	**140000**	**B**	110	31	mg/Kg	☼	09/03/14 10:00	09/06/14 00:07	10
Chromium	**12**	**B**	0.57	0.066	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Cobalt	**4.3**		0.29	0.057	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Copper	**14**	**B**	0.57	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Iron	**12000**		11	4.7	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Lead	**6.4**		0.29	0.085	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Magnesium	**80000**	**B**	57	12	mg/Kg	☼	09/03/14 10:00	09/06/14 00:07	10
Manganese	**420**		0.57	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Nickel	**12**		0.57	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Potassium	**2100**		29	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Sodium	**940**	**B**	57	7.7	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Thallium	**0.70**		0.57	0.24	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Vanadium	**21**		0.29	0.042	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Zinc	**22**	**B**	1.1	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:43	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**		19	7.6	ug/Kg	☼	09/03/14 14:30	09/04/14 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.46**		0.200	0.200	SU			08/28/14 23:37	1

Client Sample ID: CB-2(0-4)-082514
Date Collected: 08/25/14 09:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-4
Matrix: Solid
Percent Solids: 90.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**27**		5.6	2.4	ug/Kg	☼		08/27/14 16:30	1
Benzene	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 16:30	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	☼		08/27/14 16:30	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		08/27/14 16:30	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		08/27/14 16:30	1
Carbon disulfide	<5.6		5.6	0.83	ug/Kg	☼		08/27/14 16:30	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		08/27/14 16:30	1
Chlorobenzene	<5.6		5.6	0.56	ug/Kg	☼		08/27/14 16:30	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 16:30	1
Chloroform	<5.6		5.6	0.64	ug/Kg	☼		08/27/14 16:30	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		08/27/14 16:30	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		08/27/14 16:30	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 16:30	1
Dibromochloromethane	<5.6		5.6	0.97	ug/Kg	☼		08/27/14 16:30	1
1,1-Dichloroethane	<5.6		5.6	0.88	ug/Kg	☼		08/27/14 16:30	1
1,2-Dichloroethane	<5.6		5.6	0.82	ug/Kg	☼		08/27/14 16:30	1
1,1-Dichloroethene	<5.6		5.6	0.90	ug/Kg	☼		08/27/14 16:30	1
1,2-Dichloropropane	<5.6		5.6	0.84	ug/Kg	☼		08/27/14 16:30	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 16:30	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		08/27/14 16:30	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		08/27/14 16:30	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 16:30	1
Methyl Ethyl Ketone	**5.1**	**J**	5.6	2.0	ug/Kg	☼		08/27/14 16:30	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 16:30	1
Methyl tert-butyl ether	<5.6		5.6	0.92	ug/Kg	☼		08/27/14 16:30	1
Styrene	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 16:30	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/27/14 16:30	1
Tetrachloroethene	<5.6		5.6	0.85	ug/Kg	☼		08/27/14 16:30	1
Toluene	<5.6		5.6	0.78	ug/Kg	☼		08/27/14 16:30	1
trans-1,2-Dichloroethene	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 16:30	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		08/27/14 16:30	1
1,1,1-Trichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/27/14 16:30	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 16:30	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	☼		08/27/14 16:30	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		08/27/14 16:30	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/27/14 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/27/14 16:30*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*08/27/14 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*08/27/14 16:30*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/27/14 16:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<910		910	190	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
1,2-Dichlorobenzene	<910		910	220	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
1,3-Dichlorobenzene	<910		910	200	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
1,4-Dichlorobenzene	<910		910	230	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,2'-oxybis[1-chloropropane]	<910		910	210	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-2(0-4)-082514
Date Collected: 08/25/14 09:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-4
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	410	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4,6-Trichlorophenol	<1800		1800	620	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4-Dichlorophenol	<1800		1800	430	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4-Dimethylphenol	<1800		1800	680	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4-Dinitrophenol	<3600		3600	3200	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4-Dinitrotoluene	<910		910	290	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,6-Dinitrotoluene	<910		910	350	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Chloronaphthalene	<910		910	200	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Chlorophenol	<910		910	310	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Methylnaphthalene	**84**	**J**	180	33	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Methylphenol	<910		910	290	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Nitroaniline	<910		910	240	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Nitrophenol	<1800		1800	430	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
3 & 4 Methylphenol	<910		910	300	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
3,3'-Dichlorobenzidine	<910		910	250	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
3-Nitroaniline	<1800		1800	560	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4,6-Dinitro-2-methylphenol	<1800		1800	1400	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Bromophenyl phenyl ether	<910		910	240	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Chloro-3-methylphenol	<1800		1800	610	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Chloroaniline	<3600		3600	850	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Chlorophenyl phenyl ether	<910		910	210	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Nitroaniline	<1800		1800	750	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Nitrophenol	<3600		3600	1700	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Acenaphthene	**180**		180	32	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Acenaphthylene	<180		180	24	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Anthracene	**370**		180	30	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[a]anthracene	**780**		180	24	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[a]pyrene	**570**		180	35	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[b]fluoranthene	**780**		180	39	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[g,h,i]perylene	**470**		180	58	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[k]fluoranthene	**440**		180	53	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Bis(2-chloroethoxy)methane	<910		910	180	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Bis(2-chloroethyl)ether	<910		910	270	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Bis(2-ethylhexyl) phthalate	<910		910	330	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Butyl benzyl phthalate	<910		910	340	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Carbazole	<910		910	460	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Chrysene	**870**		180	49	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Dibenz(a,h)anthracene	**170**	**J**	180	35	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Dibenzofuran	<910		910	210	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Diethyl phthalate	<910		910	310	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Dimethyl phthalate	<910		910	240	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Di-n-butyl phthalate	<910		910	270	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Di-n-octyl phthalate	<910		910	290	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Fluoranthene	**2100**		180	33	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Fluorene	**180**		180	25	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Hexachlorobenzene	<360		360	42	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Hexachlorobutadiene	<910		910	280	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Hexachlorocyclopentadiene	<3600		3600	1000	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Hexachloroethane	<910		910	270	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-2(0-4)-082514
Date Collected: 08/25/14 09:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-4
Matrix: Solid
Percent Solids: 90.0

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	400		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Isophorone	<910		910	200	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Naphthalene	28	J	180	28	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Nitrobenzene	<180		180	45	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
N-Nitrosodi-n-propylamine	<910		910	220	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
N-Nitrosodiphenylamine	<910		910	210	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Pentachlorophenol	<3600		3600	2900	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Phenanthrene	2000		180	25	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Phenol	<910		910	400	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Pyrene	2400		180	36	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*35 - 137*	*09/02/14 07:19*	*09/03/14 19:01*	*5*
2-Fluorobiphenyl	*71*		*25 - 119*	*09/02/14 07:19*	*09/03/14 19:01*	*5*
2-Fluorophenol	*49*		*25 - 110*	*09/02/14 07:19*	*09/03/14 19:01*	*5*
Nitrobenzene-d5	*49*		*25 - 115*	*09/02/14 07:19*	*09/03/14 19:01*	*5*
Phenol-d5	*50*		*31 - 110*	*09/02/14 07:19*	*09/03/14 19:01*	*5*
Terphenyl-d14	*93*		*36 - 134*	*09/02/14 07:19*	*09/03/14 19:01*	*5*

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		09/03/14 08:15	09/04/14 13:11	1
Barium	0.67		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:11	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:11	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Cobalt	0.026		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Copper	0.074		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:11	1
Lead	0.068		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:11	1
Manganese	5.1		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Nickel	0.032		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Selenium	0.019	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Zinc	0.43		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:11	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		09/02/14 15:40	09/05/14 02:49	1
Barium	0.056	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:49	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Copper	0.016	J B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Iron	7.5		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:49	1
Lead	0.068		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:49	1
Manganese	0.12		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1

Client Sample ID: CB-2(0-4)-082514
Date Collected: 08/25/14 09:15
Date Received: 08/26/14 06:30

Lab Sample ID: 500-82944-4
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		09/02/14 15:40	09/05/14 02:49	1
Zinc	**0.053**	**J**	0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Arsenic	**3.8**		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Barium	**34**		0.54	0.058	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Beryllium	**0.35**		0.22	0.043	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Cadmium	**0.36**		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Calcium	**120000**	**B**	110	29	mg/Kg	☼	09/03/14 10:00	09/06/14 00:11	10
Chromium	**9.8**	**B**	0.54	0.063	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Cobalt	**4.2**		0.27	0.054	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Copper	**12**	**B**	0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Iron	**9700**		11	4.4	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Lead	**84**		0.27	0.080	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Magnesium	**66000**	**B**	54	11	mg/Kg	☼	09/03/14 10:00	09/06/14 00:11	10
Manganese	**400**		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Nickel	**9.0**		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Potassium	**1600**		27	1.6	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Sodium	**820**	**B**	54	7.2	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Thallium	**0.42**	**J**	0.54	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Vanadium	**14**		0.27	0.040	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Zinc	**43**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:45	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	**27**		19	7.3	ug/Kg	☼	09/03/14 14:30	09/04/14 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.00**		0.200	0.200	SU			08/28/14 23:37	1

Qualifiers

GC/MS VOA

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.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMEN

2417 Bond Street, University Park, I
Phone: 708.534.5200 Fax: 708

500-82944 COC

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
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 #: 500-82944

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (3.9)(4.2)

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / 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	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
							Parameter										
1		CB-1(0-7)-082514	8-25-14	0855	2	S		X	X	X	X	X					
2		CB-1(0-7)-082514D		0855													
3		CB-1(7-15)-082514		0900													
4		CB-2(0-4)-082514		0915													
5		55-19(0-7)-082514		1015													
6		55-19(7-15)-082514		1020													
7		55-6(0-4)-082514		1035													
8		55-7(0-4)-082514		1050													
9		55-5(0-4)-082514		1100													
10		55-4(0-7)-082514	8-25-14	1115	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
T. Walls / A. Walls	Weston	8-25-14	1600	P. Neal	TA	8/25/14	1600
P. Neal	TA	8/25/14	1645	JLT	TA	8/26/14	0630
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

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: