Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 334: US Rte 12 / Illinois Rte 59 Office Phone Number, if available: _____

Physical Site Location (address, inclduding number and street):
27700 W. Sulivan Lake Road and 27414 W. Molidor Road

City: Volo State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.343867709 (Decimal Degrees) Longitude: -88.169636662 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 334: US Rte 12 / Illinois Rte 59

Latitude: 42.343867709 Longitude: -88.169636662

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS AL-1, AL-2, AND, AL-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2404-3. SEE FIGURES 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: 500-82878-1 AND 500-82879-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

1/21/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2404-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Field Sample ID	AL-1(0-5)-082214	AL-2(0-5)-082214	AL-2(0-5)-082214D	AL-3(0-5)-082214	AL-3(0-5)-082214D	Soil Reference Concentrations[A]
Sample Date	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	
Location ID	AL-1	AL-2	AL-2	AL-3	AL-3	
Depth	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	
ISGS Site Number	2404-3	2404-3	2404-3	2404-3	2404-3	
Parameter						
Laboratory pH	8.23	8.46	8.29	7.95	7.97	<6.25, >9.0
VOCs (ug/kg)	**No Exceedances**					
SVOCs (ug/kg)	**No Exceedances**					
Total Metals (mg/kg)						
Arsenic, Total	3.3 J-	3 J-	3.4 J-	3.7	2.9	11.3/13.0
Barium, Total	31 J-	29 J-	29 J-	38	36	1500
Beryllium, Total	0.4 J-	0.39 J-	0.4 J-	0.35	0.37	22
Cadmium, Total	0.46 J	0.44 J	0.43 J	0.19	0.14	5.2
Chromium, Total	12 J-	11 J-	11 J-	12	11	21
Cobalt, Total	4.4 J-	4.2 J-	4 J-	6.3	5.9	20
Copper, Total	12 J-	12 J-	12 J-	13	13	2900
Iron, Total	10000 J-	9800 J-	10000 J-	11000	10000	15000/15900
Lead, Total	13 J-	9.4 J-	13 J-	47 J	10 J	107
Manganese, Total	340 J-	340 J-	340 J-	380	370	630/636
Mercury, Total	0.012 J	0.021	0.021	0.02	0.021	0.89
Nickel, Total	11 J-	10 J-	10 J-	13	14	100
Potassium, Total	1900 J	1700 J	1800 J	950	1400	---
Silver, Total	0.035 J	0.031 J	0.026 J	ND	ND	4.4
Sodium, Total	2100	1400	1400	430	450	---
Thallium, Total	0.59 J-	0.83 J-	0.58 J-	ND	ND	2.6
Vanadium, Total	17 J-	20 J-	20 J-	21	16	550
Zinc, Total	27 J-	27 J-	27 J-	62 B	38 B	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.23 J	0.29 J	0.27 J	0.54	0.45 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	0.012 J	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	0.025 J	0.06 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.051	4.3	3.8	0.28 J	0.077 J	0.15
Mercury, TCLP	0.0025	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.018 J	0.014 J	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	0.23 B	0.23 B	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.041 J	0.03 J	0.035 J	ND	ND	0.05
Barium, SPLP	0.42 J	0.33 J	0.38 J	0.34 J	0.37 J	2
Beryllium, SPLP	0.0051	ND	0.0046	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.14	0.1	0.12	0.022 J	0.022 J	0.1
Cobalt, SPLP	0.035	0.031	0.036	ND	ND	1
Copper, SPLP	0.15	0.11	0.14	0.027	0.033	0.65
Iron, SPLP	130 J-	98 J-	120 J-	13	14	5
Lead, SPLP	0.069	0.093	0.088	0.013	0.014	0.0075
Manganese, SPLP	1	0.97	1.1	0.15	0.16	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.13	0.096	0.11	0.012 J	0.012 J	0.1
Zinc, SPLP	0.33	0.28	0.32	0.3	0.32	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-82878-1
Client Project/Site: IDOT - Volo - WO 057

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/8/2014 1:31:27 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-2(0-5)-082214
Date Collected: 08/22/14 09:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-6
Matrix: Solid
Percent Solids: 86.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		08/28/14 03:14	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		08/28/14 03:14	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 03:14	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/28/14 03:14	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		08/28/14 03:14	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		08/28/14 03:14	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/28/14 03:14	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/28/14 03:14	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/28/14 03:14	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		08/28/14 03:14	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 03:14	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/28/14 03:14	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 03:14	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 03:14	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/28/14 03:14	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/28/14 03:14	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		08/28/14 03:14	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/28/14 03:14	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 03:14	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 03:14	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/28/14 03:14	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/28/14 03:14	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/28/14 03:14	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/28/14 03:14	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/28/14 03:14	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 03:14	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 03:14	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		08/28/14 03:14	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/28/14 03:14	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/28/14 03:14	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 03:14	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/28/14 03:14	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/28/14 03:14	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		08/28/14 03:14	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 03:14	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/28/14 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/28/14 03:14*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*08/28/14 03:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/28/14 03:14*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/28/14 03:14*	*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 07:13	09/05/14 13:51	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-2(0-5)-082214
Date Collected: 08/22/14 09:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-6
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
3-Nitroaniline	<370	*	370	110	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
4-Nitroaniline	<370	*	370	150	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Acenaphthylene	<37		37	4.8	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Anthracene	<37		37	6.1	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Benzo[a]anthracene	**9.8**	**J**	37	4.9	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Benzo[a]pyrene	**14**	**J**	37	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Benzo[b]fluoranthene	**16**	**J**	37	7.9	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Benzo[g,h,i]perylene	**17**	**J**	37	12	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Bis(2-chloroethoxy)methane	<180		180	38	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Carbazole	<180	*	180	95	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Chrysene	**18**	**J**	37	10	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Dimethyl phthalate	<180	*	180	48	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Fluoranthene	**25**	**J**	37	6.8	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-2(0-5)-082214
Date Collected: 08/22/14 09:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-6
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	15	J	37	9.5	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Phenanthrene	18	J	37	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Phenol	<180		180	82	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1
Pyrene	23	J	37	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*126*		*35 - 137*	*09/02/14 07:13*	*09/05/14 13:51*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*09/02/14 07:13*	*09/05/14 13:51*	*1*
2-Fluorophenol	*46*		*25 - 110*	*09/02/14 07:13*	*09/05/14 13:51*	*1*
Nitrobenzene-d5	*42*		*25 - 115*	*09/02/14 07:13*	*09/05/14 13:51*	*1*
Phenol-d5	*43*		*31 - 110*	*09/02/14 07:13*	*09/05/14 13:51*	*1*
Terphenyl-d14	*98*		*36 - 134*	*09/02/14 07:13*	*09/05/14 13:51*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:02	1
Barium	0.29	J	0.50	0.050	mg/L		09/02/14 15:40	09/03/14 18:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 18:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 18:02	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:02	1
Cobalt	0.012	J	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:02	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:02	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 18:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 18:02	1
Manganese	4.3		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:02	1
Nickel	0.018	J	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:02	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:02	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:02	1
Zinc	0.025	J	0.10	0.020	mg/L		09/02/14 15:40	09/03/14 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.030	J	0.050	0.010	mg/L		09/02/14 08:55	09/03/14 14:46	1
Barium	0.33	J	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 14:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 14:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 14:46	1
Chromium	0.10		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:46	1
Cobalt	0.031		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:46	1
Copper	0.11		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:46	1
Iron	98		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 14:46	1
Lead	0.093		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 14:46	1
Manganese	0.97		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:46	1
Nickel	0.096		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:46	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 14:46	1

Client Sample ID: AL-2(0-5)-082214
Date Collected: 08/22/14 09:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-6
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 08:55	09/03/14 14:46	1
Zinc	**0.28**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 14:46	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 10:30	09/03/14 23:41	1
Arsenic	**3.0**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Barium	**29**		0.56	0.060	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Beryllium	**0.39**		0.22	0.045	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Cadmium	**0.44**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Calcium	**100000**	**B**	110	30	mg/Kg	☼	09/03/14 10:30	09/04/14 18:49	10
Chromium	**11**	**B**	0.56	0.065	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Cobalt	**4.2**		0.28	0.056	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Copper	**12**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Iron	**9800**		11	4.6	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Lead	**9.4**	**B**	0.28	0.084	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Magnesium	**44000**	**B**	5.6	1.2	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Manganese	**340**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Nickel	**10**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Potassium	**1700**		28	1.7	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Silver	**0.031**	**J**	0.28	0.020	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Sodium	**1400**		56	7.5	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Thallium	**0.83**		0.56	0.24	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Vanadium	**20**		0.28	0.042	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	1
Zinc	**27**	**B**	1.1	0.23	mg/Kg	☼	09/03/14 10:30	09/03/14 23:41	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		09/02/14 11:00	09/03/14 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		09/03/14 11:25	09/04/14 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		17	6.7	ug/Kg	☼	09/02/14 15:00	09/03/14 15:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.46**		0.200	0.200	SU			08/27/14 16:51	1

Client Sample ID: AL-2(0-5)-082214D
Date Collected: 08/22/14 09:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-7
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		08/28/14 03:37	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/28/14 03:37	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 03:37	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/28/14 03:37	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		08/28/14 03:37	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		08/28/14 03:37	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/28/14 03:37	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/28/14 03:37	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/28/14 03:37	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		08/28/14 03:37	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 03:37	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/28/14 03:37	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 03:37	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 03:37	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/28/14 03:37	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/28/14 03:37	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		08/28/14 03:37	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/28/14 03:37	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 03:37	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 03:37	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/28/14 03:37	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/28/14 03:37	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/28/14 03:37	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/28/14 03:37	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/28/14 03:37	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 03:37	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 03:37	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		08/28/14 03:37	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/28/14 03:37	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/28/14 03:37	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 03:37	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/28/14 03:37	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/28/14 03:37	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		08/28/14 03:37	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 03:37	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/28/14 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/28/14 03:37*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*08/28/14 03:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*08/28/14 03:37*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/28/14 03:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-2(0-5)-082214D
Date Collected: 08/22/14 09:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-7
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
3-Nitroaniline	<370	*	370	120	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
4-Nitroaniline	<370	*	370	160	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Benzo[a]anthracene	**11**	**J**	37	5.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Benzo[a]pyrene	**13**	**J**	37	7.2	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Benzo[b]fluoranthene	**16**	**J**	37	8.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Benzo[g,h,i]perylene	**15**	**J**	37	12	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Carbazole	<190	*	190	96	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Chrysene	**15**	**J**	37	10	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Dimethyl phthalate	<190	*	190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Fluoranthene	**27**	**J**	37	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-2(0-5)-082214D
Date Collected: 08/22/14 09:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-7
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	13	J	37	9.7	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Phenanthrene	20	J	37	5.2	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Phenol	<190		190	83	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1
Pyrene	24	J	37	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*120*		*35 - 137*	*09/02/14 07:13*	*09/05/14 14:12*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*09/02/14 07:13*	*09/05/14 14:12*	*1*
2-Fluorophenol	*50*		*25 - 110*	*09/02/14 07:13*	*09/05/14 14:12*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*09/02/14 07:13*	*09/05/14 14:12*	*1*
Phenol-d5	*48*		*31 - 110*	*09/02/14 07:13*	*09/05/14 14:12*	*1*
Terphenyl-d14	*93*		*36 - 134*	*09/02/14 07:13*	*09/05/14 14:12*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:08	1
Barium	0.27	J	0.50	0.050	mg/L		09/02/14 15:40	09/03/14 18:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 18:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 18:08	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:08	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:08	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:08	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 18:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 18:08	1
Manganese	3.8		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:08	1
Nickel	0.014	J	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:08	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:08	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:08	1
Zinc	<0.10		0.10	0.020	mg/L		09/02/14 15:40	09/03/14 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.035	J	0.050	0.010	mg/L		09/02/14 08:55	09/03/14 14:52	1
Barium	0.38	J	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 14:52	1
Beryllium	0.0046		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 14:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 14:52	1
Chromium	0.12		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:52	1
Cobalt	0.036		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:52	1
Copper	0.14		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:52	1
Iron	120		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 14:52	1
Lead	0.088		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 14:52	1
Manganese	1.1		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:52	1
Nickel	0.11		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:52	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 14:52	1

Client Sample ID: AL-2(0-5)-082214D
Date Collected: 08/22/14 09:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-7
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 08:55	09/03/14 14:52	1
Zinc	**0.32**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 14:52	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 10:30	09/03/14 23:47	1
Arsenic	**3.4**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Barium	**29**		0.54	0.058	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Beryllium	**0.40**		0.22	0.043	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Cadmium	**0.43**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Calcium	**100000**	**B**	110	29	mg/Kg	☼	09/03/14 10:30	09/04/14 18:53	10
Chromium	**11**	**B**	0.54	0.063	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Cobalt	**4.0**		0.27	0.054	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Copper	**12**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Iron	**10000**		11	4.5	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Lead	**13**	**B**	0.27	0.081	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Magnesium	**44000**	**B**	5.4	1.1	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Manganese	**340**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Nickel	**10**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Potassium	**1800**		27	1.6	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Silver	**0.026**	**J**	0.27	0.020	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Sodium	**1400**		54	7.3	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Thallium	**0.58**		0.54	0.23	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Vanadium	**20**		0.27	0.040	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	1
Zinc	**27**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:30	09/03/14 23:47	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		09/02/14 11:00	09/03/14 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		09/03/14 11:25	09/04/14 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	**21**		18	7.1	ug/Kg	☼	09/02/14 15:00	09/03/14 15:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.29**		0.200	0.200	SU			08/27/14 16:57	1

Client Sample ID: AL-1(0-5)-082214
Date Collected: 08/22/14 09:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-8
Matrix: Solid
Percent Solids: 87.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		08/28/14 04:00	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/28/14 04:00	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/28/14 04:00	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		08/28/14 04:00	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/28/14 04:00	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/28/14 04:00	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/28/14 04:00	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/28/14 04:00	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		08/28/14 04:00	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		08/28/14 04:00	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/28/14 04:00	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		08/28/14 04:00	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		08/28/14 04:00	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/28/14 04:00	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/28/14 04:00	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/28/14 04:00	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/28/14 04:00	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		08/28/14 04:00	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		08/28/14 04:00	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		08/28/14 04:00	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/28/14 04:00	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/28/14 04:00	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/28/14 04:00	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/28/14 04:00	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/28/14 04:00	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		08/28/14 04:00	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/28/14 04:00	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/28/14 04:00	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		08/28/14 04:00	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/28/14 04:00	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/28/14 04:00	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/28/14 04:00	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		08/28/14 04:00	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		08/28/14 04:00	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/28/14 04:00	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		08/28/14 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/28/14 04:00*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/28/14 04:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*08/28/14 04:00*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/28/14 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	39	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-1(0-5)-082214
Date Collected: 08/22/14 09:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-8
Matrix: Solid
Percent Solids: 87.9

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	☼	09/02/14 07:13	09/05/14 14:33	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
4-Nitroaniline	<360	*	360	150	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Anthracene	<36		36	6.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Benzo[a]anthracene	**8.0**	**J**	36	4.9	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Benzo[a]pyrene	**10**	**J**	36	7.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Benzo[b]fluoranthene	**16**	**J**	36	7.8	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Benzo[g,h,i]perylene	**15**	**J**	36	12	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Carbazole	<180	*	180	93	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Chrysene	**13**	**J**	36	9.8	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Dimethyl phthalate	<180	*	180	47	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Fluoranthene	**20**	**J**	36	6.7	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Fluorene	<36		36	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-1(0-5)-082214
Date Collected: 08/22/14 09:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-8
Matrix: Solid
Percent Solids: 87.9

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	<36		36	9.4	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Phenanthrene	**10**	**J**	36	5.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Phenol	<180		180	80	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1
Pyrene	**20**	**J**	36	7.2	ug/Kg	☼	09/02/14 07:13	09/05/14 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 137*	*09/02/14 07:13*	*09/05/14 14:33*	*1*
2-Fluorobiphenyl	*60*		*25 - 119*	*09/02/14 07:13*	*09/05/14 14:33*	*1*
2-Fluorophenol	*48*		*25 - 110*	*09/02/14 07:13*	*09/05/14 14:33*	*1*
Nitrobenzene-d5	*42*		*25 - 115*	*09/02/14 07:13*	*09/05/14 14:33*	*1*
Phenol-d5	*48*		*31 - 110*	*09/02/14 07:13*	*09/05/14 14:33*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/02/14 07:13*	*09/05/14 14:33*	*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		09/02/14 15:40	09/03/14 18:15	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/03/14 18:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 18:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 18:15	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:15	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:15	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:15	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 18:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 18:15	1
Manganese	**0.051**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:15	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:15	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:15	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:15	1
Zinc	<0.10		0.10	0.020	mg/L		09/02/14 15:40	09/03/14 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.041**	**J**	0.050	0.010	mg/L		09/02/14 08:55	09/03/14 14:58	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 14:58	1
Beryllium	**0.0051**		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 14:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 14:58	1
Chromium	**0.14**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:58	1
Cobalt	**0.035**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:58	1
Copper	**0.15**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:58	1
Iron	**130**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 14:58	1
Lead	**0.069**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 14:58	1
Manganese	**1.0**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:58	1
Nickel	**0.13**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 14:58	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 14:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-1(0-5)-082214
Date Collected: 08/22/14 09:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-8
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		09/02/14 08:55	09/03/14 14:58	1
Zinc	**0.33**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 14:58	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 10:30	09/03/14 23:53	1
Arsenic	**3.3**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Barium	**31**		0.54	0.058	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Beryllium	**0.40**		0.22	0.044	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Cadmium	**0.46**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Calcium	**110000**	**B**	110	29	mg/Kg	☼	09/03/14 10:30	09/04/14 18:57	10
Chromium	**12**	**B**	0.54	0.063	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Cobalt	**4.4**		0.27	0.054	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Copper	**12**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Iron	**10000**		11	4.5	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Lead	**13**	**B**	0.27	0.081	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Magnesium	**46000**	**B**	5.4	1.1	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Manganese	**340**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Nickel	**11**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Potassium	**1900**		27	1.6	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Silver	**0.035**	**J**	0.27	0.020	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Sodium	**2100**		54	7.3	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Thallium	**0.59**		0.54	0.23	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Vanadium	**17**		0.27	0.040	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Zinc	**27**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.5**		0.20	0.20	ug/L		09/02/14 11:00	09/03/14 12:07	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		09/03/14 11:25	09/04/14 09:42	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	**12**	**J**	19	7.3	ug/Kg	☼	09/02/14 15:00	09/03/14 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.23**		0.200	0.200	SU			08/27/14 17:02	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
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
X	Surrogate is outside 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
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

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, Univers
Phone: 708.534.5200

500-82878 COC

Chain of Custody Record

Lab Job #: 500-82878

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (2.7) (2.5)

Report To (optional)	Bill To (optional)
Contact: Andris Slesers	Contact:
Company: Weston	Company:
Address: 300 Plaza Circle #202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax:	Fax:
E-Mail: Andris.Slesers@WestonSolutions.com	PO#/Reference#

Client: Weston Solutions
Client Project #:
Project Name: IDOT-Volo-WO 057
Project Location/State: Volo, IL
Lab Project #: 50010031
Sampler: Sena
Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	metals	TCLP/SPLP metals	pH	Comments
							7						
1		RW-5(0-2)-082214	8-22-14	8:15	2	S		X	X	X	X	X	
2		RW-4(0-2)-082214		8:30									
3		RW-3(0-2)-082214		8:45									
4		RW-2(0-2)-082214		8:55									
5		RW-2(0-2)-082214D		8:55									
6		AL-2(0-5)-082214		9:10									
7		AL-2(0-5)-082214D		9:10									
8		AL-1(0-5)-082214		9:20									
9		FS-2(0-2)-082214		9:30									
10		FS-2(2-8)-082214	8-22-14	9:35	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	8-22-14	14:45		LWLs	8-22-14	1350 & 1450
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	LWLs	8.22	1510		TA	8/22/14	1570
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	TA	8/22	1628		TA	8/23/14	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:

TAL-4124-500 (1209)

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: 500-82879-1
Client Project/Site: IDOT - Volo - WO 057

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/8/2014 1:25:59 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AL-3(0-5)-082214
Date Collected: 08/22/14 12:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-5
Matrix: Solid
Percent Solids: 87.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		08/26/14 19:37	1
Benzene	<5.7		5.7	0.79	ug/Kg	☼		08/26/14 19:37	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/26/14 19:37	1
Bromoform	<5.7	*	5.7	1.3	ug/Kg	☼		08/26/14 19:37	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/26/14 19:37	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		08/26/14 19:37	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 19:37	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/26/14 19:37	1
Chloroethane	<5.7	*	5.7	1.6	ug/Kg	☼		08/26/14 19:37	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		08/26/14 19:37	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 19:37	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		08/26/14 19:37	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		08/26/14 19:37	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 19:37	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		08/26/14 19:37	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/26/14 19:37	1
1,1-Dichloroethene	<5.7		5.7	0.93	ug/Kg	☼		08/26/14 19:37	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		08/26/14 19:37	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		08/26/14 19:37	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 19:37	1
2-Hexanone	<5.7		5.7	1.7	ug/Kg	☼		08/26/14 19:37	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/26/14 19:37	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/26/14 19:37	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/26/14 19:37	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		08/26/14 19:37	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		08/26/14 19:37	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 19:37	1
Tetrachloroethene	<5.7		5.7	0.88	ug/Kg	☼		08/26/14 19:37	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		08/26/14 19:37	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		08/26/14 19:37	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 19:37	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		08/26/14 19:37	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		08/26/14 19:37	1
Trichloroethene	<5.7		5.7	0.95	ug/Kg	☼		08/26/14 19:37	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 19:37	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		08/26/14 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*08/26/14 19:37*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*08/26/14 19:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*		*08/26/14 19:37*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/26/14 19:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AL-3(0-5)-082214
Date Collected: 08/22/14 12:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-5
Matrix: Solid
Percent Solids: 87.1

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	09/06/14 02:42	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2,4-Dinitrophenol	<770	*	770	670	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Anthracene	**27**	**J**	38	6.4	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Benzo[a]anthracene	**73**		38	5.1	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Benzo[b]fluoranthene	**220**		38	8.2	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Benzo[k]fluoranthene	**100**		38	11	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Carbazole	<190		190	98	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Chrysene	**190**		38	10	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Fluoranthene	**420**		38	7.1	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Fluorene	<38		38	5.3	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Hexachlorocyclopentadiene	<770	*	770	220	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AL-3(0-5)-082214
Date Collected: 08/22/14 12:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-5
Matrix: Solid
Percent Solids: 87.1

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	<38		38	9.9	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Isophorone	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Phenanthrene	**160**		38	5.3	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Phenol	<190		190	84	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1
Pyrene	**560**		38	7.6	ug/Kg	☼	09/02/14 17:11	09/06/14 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*09/02/14 17:11*	*09/06/14 02:42*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*09/02/14 17:11*	*09/06/14 02:42*	*1*
2-Fluorophenol	*56*		*25 - 110*	*09/02/14 17:11*	*09/06/14 02:42*	*1*
Nitrobenzene-d5	*33*		*25 - 115*	*09/02/14 17:11*	*09/06/14 02:42*	*1*
Phenol-d5	*59*		*31 - 110*	*09/02/14 17:11*	*09/06/14 02:42*	*1*
Terphenyl-d14	*124*		*36 - 134*	*09/02/14 17:11*	*09/06/14 02:42*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/03/14 17:38	1
Barium	**0.54**		0.50	0.050	mg/L		09/03/14 08:15	09/03/14 17:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/03/14 17:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/03/14 17:38	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:38	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:38	1
Copper	**0.025**		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:38	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/03/14 17:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/03/14 17:38	1
Manganese	**0.28**		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:38	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:38	1
Selenium	**0.024**	**J B**	0.050	0.010	mg/L		09/03/14 08:15	09/03/14 17:38	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:38	1
Zinc	**0.23**	**B**	0.10	0.020	mg/L		09/03/14 08:15	09/03/14 17:38	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		09/03/14 08:45	09/03/14 18:45	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/03/14 08:45	09/03/14 18:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:45	09/03/14 18:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:45	09/03/14 18:45	1
Chromium	**0.022**	**J**	0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:45	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:45	1
Copper	**0.027**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:45	1
Iron	**13**		0.20	0.20	mg/L		09/03/14 08:45	09/03/14 18:45	1
Lead	**0.013**		0.0075	0.0075	mg/L		09/03/14 08:45	09/03/14 18:45	1
Manganese	**0.15**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:45	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:45	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 08:45	09/03/14 18:45	1

Client Sample ID: AL-3(0-5)-082214
Date Collected: 08/22/14 12:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-5
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		09/03/14 08:45	09/03/14 18:45	1
Zinc	**0.30**		0.10	0.020	mg/L		09/03/14 08:45	09/03/14 18:45	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 17:30	09/05/14 03:16	1
Arsenic	**3.7**		0.55	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Barium	**38**		0.55	0.058	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Beryllium	**0.35**		0.22	0.044	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Cadmium	**0.19**		0.11	0.014	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Calcium	**57000**		110	30	mg/Kg	☼	09/03/14 17:30	09/05/14 15:58	10
Chromium	**12**		0.55	0.063	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Cobalt	**6.3**		0.27	0.055	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Copper	**13**		0.55	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Iron	**11000**		11	4.5	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Lead	**47**		0.27	0.081	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Magnesium	**26000**		5.5	1.1	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Manganese	**380**		0.55	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Nickel	**13**		0.55	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Potassium	**950**		27	1.6	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Selenium	<0.55		0.55	0.19	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Sodium	**430**		55	7.3	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Thallium	<0.55		0.55	0.23	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Vanadium	**21**		0.27	0.040	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1
Zinc	**62**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 17:30	09/05/14 03:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 10:35	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		09/03/14 11:25	09/04/14 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	**20**		19	7.3	ug/Kg	☼	09/02/14 15:00	09/03/14 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.95**		0.200	0.200	SU			08/27/14 18:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AL-3(0-5)-082214D
Date Collected: 08/22/14 12:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-6
Matrix: Solid
Percent Solids: 88.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		08/26/14 19:59	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/26/14 19:59	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/26/14 19:59	1
Bromoform	<5.7	*	5.7	1.3	ug/Kg	☼		08/26/14 19:59	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/26/14 19:59	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/26/14 19:59	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 19:59	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/26/14 19:59	1
Chloroethane	<5.7	*	5.7	1.5	ug/Kg	☼		08/26/14 19:59	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		08/26/14 19:59	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 19:59	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		08/26/14 19:59	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		08/26/14 19:59	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/26/14 19:59	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/26/14 19:59	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/26/14 19:59	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/26/14 19:59	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		08/26/14 19:59	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		08/26/14 19:59	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		08/26/14 19:59	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/26/14 19:59	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/26/14 19:59	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/26/14 19:59	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/26/14 19:59	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/26/14 19:59	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		08/26/14 19:59	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/26/14 19:59	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/26/14 19:59	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		08/26/14 19:59	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/26/14 19:59	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 19:59	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/26/14 19:59	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		08/26/14 19:59	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		08/26/14 19:59	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 19:59	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/26/14 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/26/14 19:59*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/26/14 19:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/26/14 19:59*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/26/14 19:59*	*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 17:11	09/06/14 02:59	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AL-3(0-5)-082214D
Date Collected: 08/22/14 12:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-6
Matrix: Solid
Percent Solids: 88.0

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 17:11	09/06/14 02:59	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
4,6-Dinitro-2-methylphenol	<350		350	290	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Anthracene	**23**	**J**	35	6.0	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Benzo[a]anthracene	**76**		35	4.8	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Benzo[b]fluoranthene	**87**		35	7.7	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Benzo[k]fluoranthene	**130**		35	10	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Carbazole	<180		180	92	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Chrysene	**310**		35	9.7	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Fluoranthene	**430**		35	6.6	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Hexachlorocyclopentadiene	<720	*	720	200	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1

Client Sample ID: AL-3(0-5)-082214D
Date Collected: 08/22/14 12:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-6
Matrix: Solid
Percent Solids: 88.0

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	22	J	35	9.2	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Isophorone	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Phenanthrene	140		35	5.0	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Phenol	<180		180	79	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1
Pyrene	520		35	7.1	ug/Kg	☼	09/02/14 17:11	09/06/14 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*09/02/14 17:11*	*09/06/14 02:59*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*09/02/14 17:11*	*09/06/14 02:59*	*1*
2-Fluorophenol	*52*		*25 - 110*	*09/02/14 17:11*	*09/06/14 02:59*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*09/02/14 17:11*	*09/06/14 02:59*	*1*
Phenol-d5	*49*		*31 - 110*	*09/02/14 17:11*	*09/06/14 02:59*	*1*
Terphenyl-d14	*115*		*36 - 134*	*09/02/14 17:11*	*09/06/14 02:59*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/03/14 17:43	1
Barium	0.45	J	0.50	0.050	mg/L		09/03/14 08:15	09/03/14 17:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/03/14 17:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/03/14 17:43	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:43	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:43	1
Copper	0.060		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:43	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/03/14 17:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/03/14 17:43	1
Manganese	0.077		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:43	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:43	1
Selenium	0.021	J B	0.050	0.010	mg/L		09/03/14 08:15	09/03/14 17:43	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:43	1
Zinc	0.23	B	0.10	0.020	mg/L		09/03/14 08:15	09/03/14 17:43	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		09/03/14 08:45	09/03/14 18:49	1
Barium	0.37	J	0.50	0.050	mg/L		09/03/14 08:45	09/03/14 18:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:45	09/03/14 18:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:45	09/03/14 18:49	1
Chromium	0.022	J	0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:49	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:49	1
Copper	0.033		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:49	1
Iron	14		0.20	0.20	mg/L		09/03/14 08:45	09/03/14 18:49	1
Lead	0.014		0.0075	0.0075	mg/L		09/03/14 08:45	09/03/14 18:49	1
Manganese	0.16		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:49	1
Nickel	0.012	J	0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:49	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 08:45	09/03/14 18:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AL-3(0-5)-082214D
Date Collected: 08/22/14 12:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-6
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		09/03/14 08:45	09/03/14 18:49	1
Zinc	**0.32**		0.10	0.020	mg/L		09/03/14 08:45	09/03/14 18:49	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 17:30	09/05/14 03:21	1
Arsenic	**2.9**		0.53	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Barium	**36**		0.53	0.057	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Beryllium	**0.37**		0.21	0.043	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Cadmium	**0.14**		0.11	0.014	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Calcium	**120000**		110	29	mg/Kg	☼	09/03/14 17:30	09/05/14 16:02	10
Chromium	**11**		0.53	0.062	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Cobalt	**5.9**		0.27	0.053	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Copper	**13**		0.53	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Iron	**10000**		11	4.4	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Lead	**10**		0.27	0.079	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Magnesium	**46000**		5.3	1.1	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Manganese	**370**		0.53	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Nickel	**14**		0.53	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Potassium	**1400**		27	1.6	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Selenium	**0.20**	**J B**	0.53	0.19	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Sodium	**450**		53	7.1	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Thallium	<0.53		0.53	0.22	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Vanadium	**16**		0.27	0.039	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	1
Zinc	**38**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 17:30	09/05/14 03:21	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		09/03/14 11:25	09/04/14 10:37	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		09/03/14 11:25	09/04/14 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		19	7.4	ug/Kg	☼	09/02/14 15:00	09/03/14 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.97**		0.200	0.200	SU			08/27/14 18:55	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

GC/MS Semi VOA

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

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 - Volo - WO 057

TestAmerica Job ID: 500-82879-1

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

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-82879 COC

Chain of Custody Record

Lab Job #: 500-82879

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: (2.7)

Report To (optional)		Bill To (optional)	
Contact:	Andris Slesers	Contact:	
Company:	Weston	Company:	
Address:	300 Plaza Circle #202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Slesers@westonsolutions.com	PO#/Reference#	

Client	Client Project #	Preservative	7	7	7	7	7				
Weston Solutions		Parameter	VOCs	SVOCs	Metals	TCLP/SPLP Metals	pH				
Project Name: IDOT-Volo-WO 057											
Project Location/State: Volo, IL	Lab Project #: 500100031										
Sampler: Sena	Lab PM: Wright										

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Comments
1		AF-5(0-6)-082214	8-22-14	11:40	2	S	
2		AF-5(6-13)-082214		11:45			
3		RW-1(0-4)-082214		12:25			
4		RW-1(4-9)-082214		12:30			
5		AL-3(0-5)-082214		12:15			
6		AL-3(0-5)-082214D		12:15	2	S	
*		Last Item					

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. $NaHSO_4$
7. Cool to 4°
8. None
9. Other

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	8-22-14	14:45	[signature]	TA	8-22-14	1550 1450
[signature]	TA	8-22-14	15:10	[signature]	TA	8/22/14	1570
[signature]	TA	8/22/14	16:25	[signature]	TA	8/23/14	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: FAP 334: US Rte 12 / Illinois Rte 59 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
27600 W. Sullivan Lake Road

City: Volo State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.343345778 (Decimal Degrees) Longitude: -88.170995859 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 334: US Rte 12 / Illinois Rte 59

Latitude: 42.343345778 Longitude: -88.170995859

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 FS-2 WAS SAMPLED ADJACENT TO ISGS SITE No. 2404-4. SEE FIGURES 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: 500-82878-1.

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

1/21/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2404-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Field Sample ID	FS-2(0-2)-082214	FS-2(2-8)-082214	**Soil Reference Concentrations[A]**
Sample Date	8/22/2014	8/22/2014	
Location ID	FS-2	FS-2	
Depth	0 - 2	2 - 8	
ISGS Site Number	2404-4	2404-4	
Parameter			
Laboratory pH	8.45	8.25	<6.25, >9.0
VOCs (ug/kg)	**No Exceedances**		
SVOCs (ug/kg)			
Benzo(a)anthracene	130	ND	900 / 1100 / 1800
Benzo(a)pyrene	110	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	250	ND	900 / 1500 / 2100
Dibenzo(a,h)anthracene	39	ND	90 / 200 / 420
Indeno(1,2,3-cd)pyrene	97	ND	900 / 900 / 1600
Total Metals (mg/kg)			
Arsenic, Total	3.1 J-	4 J-	11.3/13.0
Barium, Total	24 J-	36 J-	1500
Beryllium, Total	0.27 J-	0.37 J-	22
Cadmium, Total	0.43 J	0.49 J	5.2
Calcium, Total	97000 J	110000 J	---
Chromium, Total	12 J-	11 J-	21
Cobalt, Total	2.9 J-	5 J-	20
Copper, Total	13 J-	15 J-	2900
Iron, Total	8200 J-	11000 J-	15000/15900
Lead, Total	67 J-	15 J-	107
Magnesium, Total	44000 J	51000 J	325000
Manganese, Total	260 J-	420 J-	630/636
Mercury, Total	0.019 J	0.042	0.89
Nickel, Total	7.8 J-	12 J-	100
Potassium, Total	1600 J	2200 J	---
Silver, Total	ND	0.029 J	4.4
Sodium, Total	1400	950	---
Thallium, Total	0.53 J	0.65 J-	2.6
Vanadium, Total	14 J-	17 J-	550
Zinc, Total	46 J-	36 J-	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.21 J	0.36 J	2
Cadmium, TCLP	ND	ND	0.005
Cobalt, TCLP	ND	ND	1
Copper, TCLP	0.015 J	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	0.028	0.33	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	ND	0.1
Zinc, TCLP	ND	ND	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.026 J	0.033 J	0.05
Barium, SPLP	0.33 J	0.34 J	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	0.11	0.096	0.1
Cobalt, SPLP	0.032	0.032	1
Copper, SPLP	0.18	0.13	0.65
Iron, SPLP	91 J-	100 J-	5
Lead, SPLP	0.28	0.099	0.0075
Manganese, SPLP	0.93	0.77	0.15
Mercury, SPLP	ND	0.00031 J+	0.002
Nickel, SPLP	0.1	0.1	0.1
Zinc, SPLP	0.45	0.4	5

Summary Table of ISGS Site No. 2404-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Notes:

--- - not applicable or value not available.
[A] - Soil reference concentrations from
MAC Table. Background values for
ND - Constituent not detected above the reporting limit.
J - Estimated concentration.
J+ - Estimated concentration, biased high.
J- - Estimated concentration, biased low.
Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-82878-1
Client Project/Site: IDOT - Volo - WO 057

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/8/2014 1:31:27 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AL-1(0-5)-082214
Date Collected: 08/22/14 09:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-8
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		09/02/14 08:55	09/03/14 14:58	1
Zinc	**0.33**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 14:58	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 10:30	09/03/14 23:53	1
Arsenic	**3.3**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Barium	**31**		0.54	0.058	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Beryllium	**0.40**		0.22	0.044	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Cadmium	**0.46**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Calcium	**110000**	**B**	110	29	mg/Kg	☼	09/03/14 10:30	09/04/14 18:57	10
Chromium	**12**	**B**	0.54	0.063	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Cobalt	**4.4**		0.27	0.054	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Copper	**12**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Iron	**10000**		11	4.5	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Lead	**13**	**B**	0.27	0.081	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Magnesium	**46000**	**B**	5.4	1.1	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Manganese	**340**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Nickel	**11**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Potassium	**1900**		27	1.6	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Silver	**0.035**	**J**	0.27	0.020	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Sodium	**2100**		54	7.3	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Thallium	**0.59**		0.54	0.23	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Vanadium	**17**		0.27	0.040	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1
Zinc	**27**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:30	09/03/14 23:53	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.5**		0.20	0.20	ug/L		09/02/14 11:00	09/03/14 12:07	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		09/03/14 11:25	09/04/14 09:42	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	**12**	**J**	19	7.3	ug/Kg	☼	09/02/14 15:00	09/03/14 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.23**		0.200	0.200	SU			08/27/14 17:02	1

Client Sample ID: FS-2(0-2)-082214
Date Collected: 08/22/14 09:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-9
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		08/28/14 04:23	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		08/28/14 04:23	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 04:23	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		08/28/14 04:23	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/28/14 04:23	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		08/28/14 04:23	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/28/14 04:23	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		08/28/14 04:23	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 04:23	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		08/28/14 04:23	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 04:23	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		08/28/14 04:23	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		08/28/14 04:23	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 04:23	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		08/28/14 04:23	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/28/14 04:23	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		08/28/14 04:23	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		08/28/14 04:23	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		08/28/14 04:23	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 04:23	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/28/14 04:23	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 04:23	1
Methyl Ethyl Ketone	<5.9		5.9	2.2	ug/Kg	☼		08/28/14 04:23	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 04:23	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		08/28/14 04:23	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		08/28/14 04:23	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 04:23	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		08/28/14 04:23	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		08/28/14 04:23	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		08/28/14 04:23	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		08/28/14 04:23	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		08/28/14 04:23	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		08/28/14 04:23	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		08/28/14 04:23	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 04:23	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/28/14 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/28/14 04:23*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/28/14 04:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/28/14 04:23*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/28/14 04:23*	*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 07:13	09/05/14 19:46	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: FS-2(0-2)-082214
Date Collected: 08/22/14 09:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-9
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
3-Nitroaniline	<370	*	370	120	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
4-Nitroaniline	<370	*	370	160	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Acenaphthene	**9.7**	**J**	37	6.7	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Acenaphthylene	**22**	**J**	37	4.9	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Anthracene	**29**	**J**	37	6.3	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Benzo[a]anthracene	**130**		37	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Benzo[a]pyrene	**110**		37	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Benzo[b]fluoranthene	**250**		37	8.1	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Benzo[g,h,i]perylene	**120**		37	12	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Benzo[k]fluoranthene	**78**		37	11	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Carbazole	<190	*	190	97	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Chrysene	**210**		37	10	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Dibenz(a,h)anthracene	**39**		37	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Dimethyl phthalate	<190	*	190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Fluoranthene	**270**		37	7.0	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Fluorene	**13**	**J**	37	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: FS-2(0-2)-082214
Date Collected: 08/22/14 09:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-9
Matrix: Solid
Percent Solids: 84.1

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	97		37	9.7	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Phenanthrene	130		37	5.2	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Phenol	<190		190	83	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1
Pyrene	480		37	7.5	ug/Kg	☼	09/02/14 07:13	09/05/14 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*35 - 137*	*09/02/14 07:13*	*09/05/14 19:46*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*09/02/14 07:13*	*09/05/14 19:46*	*1*
2-Fluorophenol	*40*		*25 - 110*	*09/02/14 07:13*	*09/05/14 19:46*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*09/02/14 07:13*	*09/05/14 19:46*	*1*
Phenol-d5	*38*		*31 - 110*	*09/02/14 07:13*	*09/05/14 19:46*	*1*
Terphenyl-d14	*80*		*36 - 134*	*09/02/14 07:13*	*09/05/14 19:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:21	1
Barium	0.21	J	0.50	0.050	mg/L		09/02/14 15:40	09/03/14 18:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 18:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 18:21	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:21	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:21	1
Copper	0.015	J	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:21	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 18:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 18:21	1
Manganese	0.028		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:21	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:21	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:21	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:21	1
Zinc	0.10		0.10	0.020	mg/L		09/02/14 15:40	09/03/14 18:21	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 08:55	09/03/14 15:05	1
Barium	0.33	J	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 15:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 15:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 15:05	1
Chromium	0.11		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:05	1
Cobalt	0.032		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:05	1
Copper	0.18		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:05	1
Iron	91		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 15:05	1
Lead	0.28		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 15:05	1
Manganese	0.93		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:05	1
Nickel	0.10		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:05	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:05	1

Client Sample ID: FS-2(0-2)-082214
Date Collected: 08/22/14 09:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-9
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 08:55	09/03/14 15:05	1
Zinc	**0.45**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 15:05	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 10:30	09/04/14 00:00	1
Arsenic	**3.1**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Barium	**24**		0.56	0.060	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Beryllium	**0.27**		0.22	0.045	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Cadmium	**0.43**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Calcium	**97000**	**B**	110	30	mg/Kg	☼	09/03/14 10:30	09/04/14 19:09	10
Chromium	**12**	**B**	0.56	0.065	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Cobalt	**2.9**		0.28	0.056	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Copper	**13**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Iron	**8200**		11	4.6	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Lead	**67**	**B**	0.28	0.083	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Magnesium	**44000**	**B**	5.6	1.1	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Manganese	**260**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Nickel	**7.8**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Potassium	**1600**		28	1.7	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Sodium	**1400**		56	7.5	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Thallium	**0.53**	**J**	0.56	0.23	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Vanadium	**14**		0.28	0.041	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	1
Zinc	**46**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:30	09/04/14 00:00	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		09/02/14 11:00	09/03/14 12:09	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		09/03/14 11:25	09/04/14 09:44	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	**19**	**J**	20	7.8	ug/Kg	☼	09/02/14 15:00	09/03/14 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.45**		0.200	0.200	SU			08/27/14 17:13	1

Client Sample ID: FS-2(2-8)-082214
Date Collected: 08/22/14 09:35
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-10
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	☼		08/28/14 04:46	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/28/14 04:46	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		08/28/14 04:46	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/28/14 04:46	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		08/28/14 04:46	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		08/28/14 04:46	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/28/14 04:46	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/28/14 04:46	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/28/14 04:46	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		08/28/14 04:46	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 04:46	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/28/14 04:46	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 04:46	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 04:46	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		08/28/14 04:46	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/28/14 04:46	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		08/28/14 04:46	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/28/14 04:46	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 04:46	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 04:46	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/28/14 04:46	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/28/14 04:46	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/28/14 04:46	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/28/14 04:46	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		08/28/14 04:46	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 04:46	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 04:46	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		08/28/14 04:46	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/28/14 04:46	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		08/28/14 04:46	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 04:46	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/28/14 04:46	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/28/14 04:46	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		08/28/14 04:46	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 04:46	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		08/28/14 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/28/14 04:46*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/28/14 04:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/28/14 04:46*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*		*08/28/14 04:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: FS-2(2-8)-082214
Date Collected: 08/22/14 09:35
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-10
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	<380		380	86	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2-Methylnaphthalene	<38		38	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
4-Nitroaniline	<380	*	380	160	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Anthracene	<38		38	6.3	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Carbazole	<190	*	190	98	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Chrysene	<38		38	10	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Dimethyl phthalate	<190	*	190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Fluorene	<38		38	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: FS-2(2-8)-082214
Date Collected: 08/22/14 09:35
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-10
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	<38		38	9.8	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Phenol	<190		190	84	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1
Pyrene	<38		38	7.5	ug/Kg	☼	09/02/14 07:13	09/05/14 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*35 - 137*	*09/02/14 07:13*	*09/05/14 14:54*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*09/02/14 07:13*	*09/05/14 14:54*	*1*
2-Fluorophenol	*50*		*25 - 110*	*09/02/14 07:13*	*09/05/14 14:54*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/02/14 07:13*	*09/05/14 14:54*	*1*
Phenol-d5	*45*		*31 - 110*	*09/02/14 07:13*	*09/05/14 14:54*	*1*
Terphenyl-d14	*93*		*36 - 134*	*09/02/14 07:13*	*09/05/14 14:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:42	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 19:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 18:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 18:42	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:42	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:42	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:42	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 18:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 18:42	1
Manganese	**0.33**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:42	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:42	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 18:42	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 18:42	1
Zinc	**0.070**	**J**	0.10	0.020	mg/L		09/02/14 15:40	09/03/14 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.033**	**J**	0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:11	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 15:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 15:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 15:11	1
Chromium	**0.096**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:11	1
Cobalt	**0.032**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:11	1
Copper	**0.13**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:11	1
Iron	**100**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 15:11	1
Lead	**0.099**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 15:11	1
Manganese	**0.77**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:11	1
Nickel	**0.10**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:11	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:11	1

Client Sample ID: FS-2(2-8)-082214
Date Collected: 08/22/14 09:35
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-10
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 08:55	09/03/14 15:11	1
Zinc	**0.40**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 15:11	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 10:30	09/04/14 00:06	1
Arsenic	**4.0**		0.55	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Barium	**36**		0.55	0.059	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Beryllium	**0.37**		0.22	0.044	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Cadmium	**0.49**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Calcium	**110000**	**B**	110	30	mg/Kg	☼	09/03/14 10:30	09/04/14 19:13	10
Chromium	**11**	**B**	0.55	0.064	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Cobalt	**5.0**		0.27	0.055	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Copper	**15**		0.55	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Iron	**11000**		11	4.5	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Lead	**15**	**B**	0.27	0.082	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Magnesium	**51000**	**B**	5.5	1.1	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Manganese	**420**		0.55	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Nickel	**12**		0.55	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Potassium	**2200**		27	1.7	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Selenium	<0.55		0.55	0.19	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Silver	**0.029**	**J**	0.27	0.020	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Sodium	**950**		55	7.3	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Thallium	**0.65**		0.55	0.23	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Vanadium	**17**		0.27	0.041	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1
Zinc	**36**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:30	09/04/14 00:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/02/14 11:00	09/03/14 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.31**		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 09:46	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	**42**		19	7.3	ug/Kg	☼	09/02/14 15:00	09/03/14 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.25**		0.200	0.200	SU			08/27/14 17:19	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
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
X	Surrogate is outside 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
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

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, Univers
Phone: 708.534.5200

500-82878 COC

Chain of Custody Record

Lab Job #: 500-82878

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (2.7) (2.5)

Report To (optional)	Bill To (optional)
Contact: Andris Slesers	Contact:
Company: Weston	Company:
Address: 300 Plaza Circle #202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax:	Fax:
E-Mail: Andris.Slesers@WestonSolutions.com	PO#/Reference#

Client: Weston Solutions
Client Project #:
Project Name: IDOT-Volo-WO 057
Project Location/State: Volo, IL
Lab Project #: 50010031
Sampler: Sena
Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	metals	TCLP/SPLP metals	pH	Comments
							7						
1		RW-5(0-2)-082214	8-22-14	8:15	2	S		X	X	X	X	X	
2		RW-4(0-2)-082214		8:30									
3		RW-3(0-2)-082214		8:45									
4		RW-2(0-2)-082214		8:55									
5		RW-2(0-2)-082214D		8:55									
6		AL-2(0-5)-082214		9:10									
7		AL-2(0-5)-082214D		9:10									
8		AL-1(0-5)-082214		9:20									
9		FS-2(0-2)-082214		9:30									
10		FS-2(2-8)-082214	8-22-14	9:35	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	8-22-14	14:45		LWLs	8-22-14	1350 & 1450
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	LWLs	8.22	1510		TA	8/22/14	1570
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	TA	8/22	1628		TA	8/23/14	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:

TAL-4124-500 (1209)

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 334: US Rte 12 / Illinois Rte 59 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
2700 block of W. Sulivan Lake Road

City: Volo State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.343253255 Longitude: -88.170639798
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 334: US Rte 12 / Illinois Rte 59

Latitude: 42.343253255 Longitude: -88.170639798

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 AF-1 THROUGH AF-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2404-5. SEE FIGURES 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: 500-82878-1 AND 500-82879-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

1/21/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2404-5/6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Field Sample ID	AF-1(0-6)-082214	AF-1(6-13)-082214	AF-2(0-6)-082214	AF-2(6-13)-082214	AF-3(0-6)-082214	AF-3(6-13)-082214	AF-4(0-6)-082214	Soil Reference Concentrations[A]
Sample Date	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	
Location ID	AF-1	AF-1	AF-2	AF-2	AF-3	AF-3	AF-4	
Depth	0 - 6	6 - 13	0 - 6	6 - 13	0 - 6	6 - 13	0 - 6	
ISGS Site Number	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	
Parameter								
Laboratory pH	8.74	8	8.44	7.79	8.16	7.95	7.91	<6.25, >9.0
VOCs (ug/kg)	**No Exceedances**							
SVOCs (ug/kg)								
Benzo(b)fluoranthene	ND	ND	ND	20 J	12 J	ND	ND	900 / 1500 / 2100
Indeno(1,2,3-cd)pyrene	ND	ND	ND	13 J	ND	ND	ND	900 / 900 / 1600
Total Metals (mg/kg)								
Arsenic, Total	3.2 J-	2.3 J-	3.4 J-	3.8 J-	4 J-	7.2 J-	3.8 J-	11.3/13.0
Barium, Total	36 J-	16 J-	31 J-	32 J-	55 J-	19 J-	37 J-	1500
Beryllium, Total	0.41 J-	0.27 J-	0.38 J-	0.47 J-	0.46 J-	0.27 J-	0.4 J-	22
Cadmium, Total	0.39 J	0.31 J	0.44 J	0.49 J	0.43 J	0.36 J	0.45 J	5.2
Calcium, Total	120000 J	150000 J	110000 J	130000 J	39000 J	140000 J	85000 J	---
Chromium, Total	13 J-	7.1 J-	12 J-	13 J-	14 J-	7.5 J-	11 J-	21
Cobalt, Total	3.8 J-	2.5 J-	4.7 J-	6.2 J-	5.6 J-	3.1 J-	4.9 J-	20
Copper, Total	12 J-	8.8 J-	14 J-	14 J-	13 J-	8 J-	13 J-	2900
Iron, Total	10000 J-	7200 J-	10000 J-	12000 J-	12000 J-	8800 J-	11000 J-	15000/15900
Lead, Total	5.5 J-	3.6 J-	9.3 J-	5.7 J-	18 J-	3.6 J-	130 J-	107
Magnesium, Total	49000 J	76000 J	48000 J	54000 J	23000 J	56000 J	39000 J	325000
Manganese, Total	300 J-	320 J-	330 J-	340 J-	490 J-	310 J-	400 J-	630/636
Mercury, Total	0.011 J	0.025	0.045	0.022	0.025	0.018 J	0.0097 J	0.89
Nickel, Total	11 J-	6.6 J-	12 J-	16 J-	11 J-	6.9 J-	11 J-	100
Potassium, Total	2000 J	1100 J	2100 J	3100 J	1600 J	1300 J	1800 J	---
Silver, Total	0.04 J	0.024 J	0.036 J	0.025 J	0.04 J	ND	0.03 J	4.4
Sodium, Total	860	770	1600	920	320	320	190	---
Thallium, Total	0.4 J	0.45 J	0.41 J	0.67 J-	0.63 J-	0.36 J	0.59 J-	2.6
Vanadium, Total	17 J-	13 J-	17 J-	17 J-	24 J-	12 J-	20 J-	550
Zinc, Total	24 J-	21 J-	34 J-	27 J-	44 J-	20 J-	38 J-	5100
TCLP Metals (mg/l)								
Barium, TCLP	0.47 J	0.29 J	0.38 J	0.46 J	0.4 J	0.21 J	0.45 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	0.022 J	0.015 J	ND	ND	ND	ND	1
Copper, TCLP	0.01 J	0.01 J	0.016 J	0.012 J	ND	ND	0.012 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	3.1	3	4.4	0.76	ND	0.46	0.011 J	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.031	0.025	0.023 J	ND	ND	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 2404-5/6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Field Sample ID	AF-1(0-6)-082214	AF-1(6-13)-082214	AF-2(0-6)-082214	AF-2(6-13)-082214	AF-3(0-6)-082214	AF-3(6-13)-082214	AF-4(0-6)-082214	**Soil Reference Concentrations[A]**
Sample Date	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	
Location ID	AF-1	AF-1	AF-2	AF-2	AF-3	AF-3	AF-4	
Depth	0 - 6	6 - 13	0 - 6	6 - 13	0 - 6	6 - 13	0 - 6	
ISGS Site Number	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	
Parameter								
SPLP Metals (mg/l)								
Arsenic, SPLP	0.017 J	ND	0.022 J	0.046 J	0.015 J	ND	ND	0.05
Barium, SPLP	0.3 J	0.09 J	0.29 J	0.45 J	0.27 J	0.053 J	0.16 J	2
Beryllium, SPLP	ND	ND	ND	0.0059	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.077	0.023 J	0.085	0.15	0.069	ND	0.039	0.1
Cobalt, SPLP	0.02 J	ND	0.023 J	0.04	0.013 J	ND	ND	1
Copper, SPLP	0.092	0.026	0.09	0.18	0.11	ND	0.046	0.65
Iron, SPLP	71 J-	19 J-	76 J-	140 J-	59 J-	7 J-	32 J-	5
Lead, SPLP	0.043	0.01	0.053	0.062	0.047	ND	0.02	0.0075
Manganese, SPLP	0.57	0.14	0.72	0.84	0.59	0.034	0.21	0.15
Mercury, SPLP	ND	ND	ND	0.0002 J+	0.00023 J+	ND	0.00027 J+	0.002
Nickel, SPLP	0.074	0.019 J	0.084	0.15	0.05	ND	0.032	0.1
Zinc, SPLP	0.22	0.065 J	0.25	0.34	0.25	0.026 J	0.11	5

Summary Table of ISGS Site No. 2404-5/6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Field Sample ID	AF-4(6-13)-082214	AF-5(0-6)-082214	AF-5(6-13)-082214	Soil Reference Concentrations[A]
Sample Date	8/22/2014	8/22/2014	8/22/2014	
Location ID	AF-4	AF-5	AF-5	
Depth	6 - 13	0 - 6	6 - 13	
ISGS Site Number	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	
Parameter				
Laboratory pH	7.82	7.7	7.86	<6.25, >9.0
	No Exceedances			
SVOCs (ug/kg)				
Benzo(b)fluoranthene	ND	ND	ND	900 / 1500 / 2100
Indeno(1,2,3-cd)pyrene	ND	ND	ND	900 / 900 / 1600
Total Metals (mg/kg)				
Arsenic, Total	4.8 J-	4.8	2.5	11.3/13.0
Barium, Total	50 J-	41	21	1500
Beryllium, Total	0.44 J-	0.51	0.19 J	22
Cadmium, Total	0.4 J	0.1 J	0.088 J	5.2
Calcium, Total	43000 J	11000	130000	---
Chromium, Total	13 J-	14	7.3	21
Cobalt, Total	5.4 J-	8.2	3.8	20
Copper, Total	12 J-	13	5.9	2900
Iron, Total	12000 J-	14000	7100	15000/15900
Lead, Total	7.1 J-	16	4.4	107
Magnesium, Total	25000 J	7200	67000	325000
Manganese, Total	490 J-	360	270	630/636
Mercury, Total	0.021	0.016 J	0.014 J	0.89
Nickel, Total	12 J-	24	7.2	100
Potassium, Total	1400 J	910	850	---
Silver, Total	0.035 J	ND	ND	4.4
Sodium, Total	180	610	630	---
Thallium, Total	0.78 J-	ND	ND	2.6
Vanadium, Total	23 J-	21	13	550
Zinc, Total	32 J-	58 B	22 B	5100
TCLP Metals (mg/l)				
Barium, TCLP	0.46 J	0.3 J	0.36 J	2
Cadmium, TCLP	ND	ND	0.0023 J	0.005
Cobalt, TCLP	ND	ND	0.053	1
Copper, TCLP	0.018 J	ND	ND	0.65
Iron, TCLP	ND	ND	0.21	5
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	0.011 J	0.37	5.9	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	0.033	0.1
Zinc, TCLP	ND	ND	ND	5

Summary Table of ISGS Site No. 2404-5/6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Field Sample ID	AF-4(6-13)-082214	AF-5(0-6)-082214	AF-5(6-13)-082214	**Soil Reference Concentrations[A]**
Sample Date	8/22/2014	8/22/2014	8/22/2014	
Location ID	AF-4	AF-5	AF-5	
Depth	6 - 13	0 - 6	6 - 13	
ISGS Site Number	2404-5 / 2404-6	2404-5 / 2404-6	2404-5 / 2404-6	
Parameter				
SPLP Metals (mg/l)				
Arsenic, SPLP	0.012 J	ND	ND	0.05
Barium, SPLP	0.16 J	0.34 J	0.33 J	2
Beryllium, SPLP	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.005
Chromium, SPLP	0.047	0.015 J	0.025	0.1
Cobalt, SPLP	0.01 J	ND	ND	1
Copper, SPLP	0.04	0.023 J	0.092	0.65
Iron, SPLP	42 J-	6.6	14	5
Lead, SPLP	0.015	ND	0.011	0.0075
Manganese, SPLP	0.26	0.09	0.24	0.15
Mercury, SPLP	ND	ND	ND	0.002
Nickel, SPLP	0.034	ND	0.016 J	0.1
Zinc, SPLP	0.12	0.3	0.32	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-82878-1
Client Project/Site: IDOT - Volo - WO 057

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/8/2014 1:31:27 PM

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

Client Sample ID: AF-1(0-6)-082214
Date Collected: 08/22/14 10:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-13
Matrix: Solid
Percent Solids: 82.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		08/28/14 05:55	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		08/28/14 05:55	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/28/14 05:55	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		08/28/14 05:55	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		08/28/14 05:55	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		08/28/14 05:55	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		08/28/14 05:55	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		08/28/14 05:55	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 05:55	1
Chloroform	<6.0		6.0	0.70	ug/Kg	☼		08/28/14 05:55	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		08/28/14 05:55	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		08/28/14 05:55	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		08/28/14 05:55	1
Dibromochloromethane	<6.0		6.0	1.1	ug/Kg	☼		08/28/14 05:55	1
1,1-Dichloroethane	<6.0		6.0	0.96	ug/Kg	☼		08/28/14 05:55	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	☼		08/28/14 05:55	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	☼		08/28/14 05:55	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		08/28/14 05:55	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		08/28/14 05:55	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		08/28/14 05:55	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		08/28/14 05:55	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 05:55	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		08/28/14 05:55	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 05:55	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		08/28/14 05:55	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		08/28/14 05:55	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/28/14 05:55	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		08/28/14 05:55	1
Toluene	<6.0		6.0	0.85	ug/Kg	☼		08/28/14 05:55	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		08/28/14 05:55	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		08/28/14 05:55	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		08/28/14 05:55	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		08/28/14 05:55	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		08/28/14 05:55	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		08/28/14 05:55	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		08/28/14 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/28/14 05:55*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*08/28/14 05:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*08/28/14 05:55*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/28/14 05:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-1(0-6)-082214
Date Collected: 08/22/14 10:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-13
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
4-Nitroaniline	<380	*	380	160	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Carbazole	<190	*	190	99	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Chrysene	<38		38	10	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Dimethyl phthalate	<190	*	190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-1(0-6)-082214
Date Collected: 08/22/14 10:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-13
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Isophorone	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Phenol	<190		190	85	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1
Pyrene	<38		38	7.6	ug/Kg	☼	09/02/14 07:13	09/05/14 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*35 - 137*	*09/02/14 07:13*	*09/05/14 16:19*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*09/02/14 07:13*	*09/05/14 16:19*	*1*
2-Fluorophenol	*43*		*25 - 110*	*09/02/14 07:13*	*09/05/14 16:19*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*09/02/14 07:13*	*09/05/14 16:19*	*1*
Phenol-d5	*41*		*31 - 110*	*09/02/14 07:13*	*09/05/14 16:19*	*1*
Terphenyl-d14	*92*		*36 - 134*	*09/02/14 07:13*	*09/05/14 16:19*	*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		09/02/14 15:40	09/03/14 19:01	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 20:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 19:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 19:01	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:01	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:01	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:01	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 19:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 19:01	1
Manganese	**3.1**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:01	1
Nickel	**0.031**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:01	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:01	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:01	1
Zinc	**0.14**	**B**	0.10	0.020	mg/L		09/02/14 15:40	09/03/14 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.017**	**J**	0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:29	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 15:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 15:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 15:29	1
Chromium	**0.077**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:29	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:29	1
Copper	**0.092**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:29	1
Iron	**71**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 15:29	1
Lead	**0.043**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 15:29	1
Manganese	**0.57**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:29	1
Nickel	**0.074**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:29	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:29	1

Client Sample ID: AF-1(0-6)-082214
Date Collected: 08/22/14 10:10
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-13
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		09/02/14 08:55	09/03/14 15:29	1
Zinc	**0.22**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 15:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Arsenic	**3.2**		0.60	0.12	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Barium	**36**		0.60	0.065	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Beryllium	**0.41**		0.24	0.048	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Cadmium	**0.39**		0.12	0.015	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Calcium	**120000**	**B**	120	33	mg/Kg	☼	09/03/14 10:30	09/04/14 19:25	10
Chromium	**13**	**B**	0.60	0.070	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Cobalt	**3.8**		0.30	0.060	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Copper	**12**		0.60	0.12	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Iron	**10000**		12	5.0	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Lead	**5.5**	**B**	0.30	0.090	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Magnesium	**49000**	**B**	6.0	1.2	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Manganese	**300**		0.60	0.12	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Nickel	**11**		0.60	0.12	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Potassium	**2000**		30	1.8	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Silver	**0.040**	**J**	0.30	0.022	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Sodium	**860**		60	8.1	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Thallium	**0.40**	**J**	0.60	0.25	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Vanadium	**17**		0.30	0.045	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	1
Zinc	**24**	**B**	1.2	0.24	mg/Kg	☼	09/03/14 10:30	09/04/14 00:25	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		09/02/14 11:00	09/03/14 12:21	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		09/03/14 11:25	09/04/14 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11**	**J**	18	7.3	ug/Kg	☼	09/02/14 15:00	09/03/14 16:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.74**		0.200	0.200	SU			08/27/14 17:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-1(6-13)-082214
Date Collected: 08/22/14 10:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-14
Matrix: Solid
Percent Solids: 77.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.5		6.5	2.8	ug/Kg	☼		08/28/14 06:18	1
Benzene	<6.5		6.5	0.89	ug/Kg	☼		08/28/14 06:18	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 06:18	1
Bromoform	<6.5		6.5	1.5	ug/Kg	☼		08/28/14 06:18	1
Bromomethane	<6.5		6.5	2.0	ug/Kg	☼		08/28/14 06:18	1
Carbon disulfide	<6.5		6.5	0.97	ug/Kg	☼		08/28/14 06:18	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	☼		08/28/14 06:18	1
Chlorobenzene	<6.5		6.5	0.66	ug/Kg	☼		08/28/14 06:18	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	☼		08/28/14 06:18	1
Chloroform	<6.5		6.5	0.75	ug/Kg	☼		08/28/14 06:18	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	☼		08/28/14 06:18	1
cis-1,2-Dichloroethene	<6.5		6.5	0.92	ug/Kg	☼		08/28/14 06:18	1
cis-1,3-Dichloropropene	<6.5		6.5	0.85	ug/Kg	☼		08/28/14 06:18	1
Dibromochloromethane	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 06:18	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	☼		08/28/14 06:18	1
1,2-Dichloroethane	<6.5		6.5	0.96	ug/Kg	☼		08/28/14 06:18	1
1,1-Dichloroethene	<6.5		6.5	1.0	ug/Kg	☼		08/28/14 06:18	1
1,2-Dichloropropane	<6.5		6.5	0.98	ug/Kg	☼		08/28/14 06:18	1
1,3-Dichloropropene, Total	<6.5		6.5	0.85	ug/Kg	☼		08/28/14 06:18	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	☼		08/28/14 06:18	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	☼		08/28/14 06:18	1
Methylene Chloride	<6.5		6.5	1.8	ug/Kg	☼		08/28/14 06:18	1
Methyl Ethyl Ketone	<6.5		6.5	2.3	ug/Kg	☼		08/28/14 06:18	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	☼		08/28/14 06:18	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 06:18	1
Styrene	<6.5		6.5	0.85	ug/Kg	☼		08/28/14 06:18	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	☼		08/28/14 06:18	1
Tetrachloroethene	<6.5		6.5	0.99	ug/Kg	☼		08/28/14 06:18	1
Toluene	<6.5		6.5	0.91	ug/Kg	☼		08/28/14 06:18	1
trans-1,2-Dichloroethene	<6.5		6.5	0.89	ug/Kg	☼		08/28/14 06:18	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	☼		08/28/14 06:18	1
1,1,1-Trichloroethane	<6.5		6.5	0.97	ug/Kg	☼		08/28/14 06:18	1
1,1,2-Trichloroethane	<6.5		6.5	0.88	ug/Kg	☼		08/28/14 06:18	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 06:18	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	☼		08/28/14 06:18	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		08/28/14 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/28/14 06:18*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*08/28/14 06:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*08/28/14 06:18*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*08/28/14 06:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-1(6-13)-082214
Date Collected: 08/22/14 10:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-14
Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2-Methylnaphthalene	<41		41	7.7	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2-Methylphenol	<210		210	67	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
3-Nitroaniline	<410	*	410	130	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
4-Nitroaniline	<410	*	410	170	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Anthracene	<41		41	7.0	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Benzo[a]anthracene	<41		41	5.6	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Benzo[a]pyrene	<41		41	8.1	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Benzo[b]fluoranthene	<41		41	9.0	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Carbazole	<210	*	210	110	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Chrysene	<41		41	11	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Dibenz(a,h)anthracene	<41		41	8.1	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Dibenzofuran	<210		210	49	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Dimethyl phthalate	<210	*	210	54	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Fluoranthene	<41		41	7.7	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Fluorene	<41		41	5.9	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Hexachloroethane	<210		210	63	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-1(6-13)-082214
Date Collected: 08/22/14 10:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-14
Matrix: Solid
Percent Solids: 77.1

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	<41		41	11	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Isophorone	<210		210	47	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Naphthalene	<41		41	6.4	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Nitrobenzene	<41		41	10	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Phenanthrene	<41		41	5.8	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Phenol	<210		210	93	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1
Pyrene	<41		41	8.3	ug/Kg	☼	09/02/14 07:13	09/05/14 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*35 - 137*	*09/02/14 07:13*	*09/05/14 16:40*	*1*
2-Fluorobiphenyl	*49*		*25 - 119*	*09/02/14 07:13*	*09/05/14 16:40*	*1*
2-Fluorophenol	*39*		*25 - 110*	*09/02/14 07:13*	*09/05/14 16:40*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*09/02/14 07:13*	*09/05/14 16:40*	*1*
Phenol-d5	*37*		*31 - 110*	*09/02/14 07:13*	*09/05/14 16:40*	*1*
Terphenyl-d14	*79*		*36 - 134*	*09/02/14 07:13*	*09/05/14 16:40*	*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		09/02/14 15:40	09/03/14 19:07	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 20:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 19:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 19:07	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:07	1
Cobalt	**0.022**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:07	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:07	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 19:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 19:07	1
Manganese	**3.0**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:07	1
Nickel	**0.025**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:07	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:07	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:07	1
Zinc	**0.11**	**B**	0.10	0.020	mg/L		09/02/14 15:40	09/03/14 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:36	1
Barium	**0.090**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 15:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 15:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 15:36	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:36	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:36	1
Copper	**0.026**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:36	1
Iron	**19**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 15:36	1
Lead	**0.010**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 15:36	1
Manganese	**0.14**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:36	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:36	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:36	1

Client Sample ID: AF-1(6-13)-082214
Date Collected: 08/22/14 10:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:36	1
Zinc	**0.065**	**J**	0.10	0.020	mg/L		09/02/14 08:55	09/03/14 15:36	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 10:30	09/04/14 00:31	1
Arsenic	**2.3**		0.63	0.13	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Barium	**16**		0.63	0.068	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Beryllium	**0.27**		0.25	0.051	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Cadmium	**0.31**		0.13	0.016	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Calcium	**150000**	**B**	130	34	mg/Kg	☼	09/03/14 10:30	09/04/14 19:29	10
Chromium	**7.1**	**B**	0.63	0.074	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Cobalt	**2.5**		0.32	0.063	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Copper	**8.8**		0.63	0.13	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Iron	**7200**		13	5.2	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Lead	**3.6**	**B**	0.32	0.095	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Magnesium	**76000**	**B**	63	13	mg/Kg	☼	09/03/14 10:30	09/04/14 19:29	10
Manganese	**320**		0.63	0.13	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Nickel	**6.6**		0.63	0.13	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Potassium	**1100**		32	1.9	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Selenium	<0.63		0.63	0.23	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Silver	**0.024**	**J**	0.32	0.023	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Sodium	**770**		63	8.5	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Thallium	**0.45**	**J**	0.63	0.27	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Vanadium	**13**		0.32	0.047	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1
Zinc	**21**	**B**	1.3	0.26	mg/Kg	☼	09/03/14 10:30	09/04/14 00:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/02/14 11:00	09/03/14 12:23	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		09/03/14 11:25	09/04/14 09:54	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	**25**		20	7.8	ug/Kg	☼	09/02/14 15:00	09/03/14 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.00**		0.200	0.200	SU			08/27/14 17:42	1

Client Sample ID: AF-2(0-6)-082214
Date Collected: 08/22/14 10:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-15
Matrix: Solid
Percent Solids: 85.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**68**		5.9	2.5	ug/Kg	☼		08/28/14 06:41	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		08/28/14 06:41	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 06:41	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		08/28/14 06:41	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/28/14 06:41	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		08/28/14 06:41	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/28/14 06:41	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		08/28/14 06:41	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 06:41	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		08/28/14 06:41	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 06:41	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		08/28/14 06:41	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		08/28/14 06:41	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 06:41	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		08/28/14 06:41	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		08/28/14 06:41	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		08/28/14 06:41	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		08/28/14 06:41	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		08/28/14 06:41	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 06:41	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/28/14 06:41	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 06:41	1
Methyl Ethyl Ketone	**18**		5.9	2.1	ug/Kg	☼		08/28/14 06:41	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		08/28/14 06:41	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		08/28/14 06:41	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		08/28/14 06:41	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 06:41	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		08/28/14 06:41	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		08/28/14 06:41	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		08/28/14 06:41	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		08/28/14 06:41	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/28/14 06:41	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		08/28/14 06:41	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		08/28/14 06:41	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 06:41	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/28/14 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/28/14 06:41*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/28/14 06:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*08/28/14 06:41*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/28/14 06:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-2(0-6)-082214
Date Collected: 08/22/14 10:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-15
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
4-Nitroaniline	<380	*	380	160	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Anthracene	**69**		38	6.4	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Carbazole	<190	*	190	99	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Chrysene	**360**		38	10	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Dimethyl phthalate	<190	*	190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Fluoranthene	**180**		38	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Fluorene	**10**	**J**	38	5.4	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-2(0-6)-082214
Date Collected: 08/22/14 10:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-15
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Isophorone	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Phenanthrene	**140**		38	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Phenol	<190		190	85	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1
Pyrene	**360**		38	7.6	ug/Kg	☼	09/02/14 07:13	09/05/14 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*123*		*35 - 137*	*09/02/14 07:13*	*09/05/14 20:28*	*1*
2-Fluorobiphenyl	*60*		*25 - 119*	*09/02/14 07:13*	*09/05/14 20:28*	*1*
2-Fluorophenol	*42*		*25 - 110*	*09/02/14 07:13*	*09/05/14 20:28*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*09/02/14 07:13*	*09/05/14 20:28*	*1*
Phenol-d5	*42*		*31 - 110*	*09/02/14 07:13*	*09/05/14 20:28*	*1*
Terphenyl-d14	*87*		*36 - 134*	*09/02/14 07:13*	*09/05/14 20:28*	*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		09/02/14 15:40	09/03/14 19:13	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 20:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 19:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 19:13	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:13	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:13	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:13	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 19:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 19:13	1
Manganese	**4.4**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:13	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:13	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:13	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:13	1
Zinc	**0.21**	**B**	0.10	0.020	mg/L		09/02/14 15:40	09/03/14 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.022**	**J**	0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:42	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 15:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 15:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 15:42	1
Chromium	**0.085**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:42	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:42	1
Copper	**0.090**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:42	1
Iron	**76**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 15:42	1
Lead	**0.053**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 15:42	1
Manganese	**0.72**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:42	1
Nickel	**0.084**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 15:42	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 15:42	1

Client Sample ID: AF-2(0-6)-082214
Date Collected: 08/22/14 10:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-15
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		09/02/14 08:55	09/03/14 15:42	1
Zinc	**0.25**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 15:42	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 10:30	09/04/14 00:52	1
Arsenic	**3.4**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Barium	**31**		0.54	0.058	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Beryllium	**0.38**		0.22	0.043	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Cadmium	**0.44**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Calcium	**110000**	**B**	110	29	mg/Kg	☼	09/03/14 10:30	09/04/14 19:33	10
Chromium	**12**	**B**	0.54	0.062	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Cobalt	**4.7**		0.27	0.054	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Copper	**14**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Iron	**10000**		11	4.4	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Lead	**9.3**	**B**	0.27	0.080	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Magnesium	**48000**	**B**	5.4	1.1	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Manganese	**330**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Nickel	**12**		0.54	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Potassium	**2100**		27	1.6	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Silver	**0.036**	**J**	0.27	0.019	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Sodium	**1600**		54	7.2	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Thallium	**0.41**	**J**	0.54	0.23	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Vanadium	**17**		0.27	0.040	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	1
Zinc	**34**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:30	09/04/14 00:52	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		09/02/14 11:00	09/03/14 12:25	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		09/03/14 11:25	09/04/14 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**45**		18	7.1	ug/Kg	☼	09/02/14 15:00	09/03/14 16:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.44**		0.200	0.200	SU			08/27/14 17:47	1

Client Sample ID: AF-2(6-13)-082214
Date Collected: 08/22/14 10:35
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-16
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	☼		08/28/14 07:04	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/28/14 07:04	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 07:04	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/28/14 07:04	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		08/28/14 07:04	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		08/28/14 07:04	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/28/14 07:04	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/28/14 07:04	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/28/14 07:04	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		08/28/14 07:04	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 07:04	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/28/14 07:04	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 07:04	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 07:04	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/28/14 07:04	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/28/14 07:04	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		08/28/14 07:04	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/28/14 07:04	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 07:04	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 07:04	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/28/14 07:04	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/28/14 07:04	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/28/14 07:04	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/28/14 07:04	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/28/14 07:04	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/28/14 07:04	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 07:04	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		08/28/14 07:04	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/28/14 07:04	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/28/14 07:04	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/28/14 07:04	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/28/14 07:04	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/28/14 07:04	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		08/28/14 07:04	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/28/14 07:04	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/28/14 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*08/28/14 07:04*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/28/14 07:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*08/28/14 07:04*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/28/14 07:04*	*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 07:13	09/05/14 17:01	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-2(6-13)-082214
Date Collected: 08/22/14 10:35
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-16
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
3-Nitroaniline	<370	*	370	110	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
4-Chloro-3-methylphenol	<370		370	120	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
4-Nitroaniline	<370	*	370	150	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Acenaphthylene	<37		37	4.8	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Anthracene	<37		37	6.1	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Benzo[a]anthracene	<37		37	4.9	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Benzo[b]fluoranthene	**20**	**J**	37	7.9	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Benzo[g,h,i]perylene	**12**	**J**	37	12	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Carbazole	<180	*	180	95	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Chrysene	**17**	**J**	37	10	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Dimethyl phthalate	<180	*	180	48	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Fluoranthene	**16**	**J**	37	6.8	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-2(6-13)-082214
Date Collected: 08/22/14 10:35
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-16
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	13	J	37	9.5	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Phenanthrene	9.5	J	37	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Phenol	<180		180	82	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1
Pyrene	11	J	37	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*35 - 137*	*09/02/14 07:13*	*09/05/14 17:01*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*09/02/14 07:13*	*09/05/14 17:01*	*1*
2-Fluorophenol	*41*		*25 - 110*	*09/02/14 07:13*	*09/05/14 17:01*	*1*
Nitrobenzene-d5	*38*		*25 - 115*	*09/02/14 07:13*	*09/05/14 17:01*	*1*
Phenol-d5	*39*		*31 - 110*	*09/02/14 07:13*	*09/05/14 17:01*	*1*
Terphenyl-d14	*89*		*36 - 134*	*09/02/14 07:13*	*09/05/14 17:01*	*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		09/02/14 15:40	09/03/14 19:19	1
Barium	0.46	J	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 20:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 19:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 19:19	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:19	1
Copper	0.012	J	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:19	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 19:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 19:19	1
Manganese	0.76		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:19	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:19	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:19	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:19	1
Zinc	0.18		0.10	0.020	mg/L		09/02/14 15:40	09/03/14 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		09/02/14 08:55	09/03/14 16:03	1
Barium	0.45	J	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 16:03	1
Beryllium	0.0059		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 16:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 16:03	1
Chromium	0.15		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:03	1
Cobalt	0.040		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:03	1
Copper	0.18		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:03	1
Iron	140		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 16:03	1
Lead	0.062		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 16:03	1
Manganese	0.84		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:03	1
Nickel	0.15		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:03	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 16:03	1

Client Sample ID: AF-2(6-13)-082214
Date Collected: 08/22/14 10:35
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-16
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		09/02/14 08:55	09/03/14 16:03	1
Zinc	**0.34**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 16:03	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 10:30	09/04/14 00:58	1
Arsenic	**3.8**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Barium	**32**		0.56	0.060	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Beryllium	**0.47**		0.22	0.045	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Cadmium	**0.49**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Calcium	**130000**	**B**	110	30	mg/Kg	☼	09/03/14 10:30	09/04/14 19:37	10
Chromium	**13**	**B**	0.56	0.065	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Cobalt	**6.2**		0.28	0.056	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Copper	**14**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Iron	**12000**		11	4.6	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Lead	**5.7**	**B**	0.28	0.083	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Magnesium	**54000**	**B**	5.6	1.1	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Manganese	**340**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Nickel	**16**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Potassium	**3100**		28	1.7	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Silver	**0.025**	**J**	0.28	0.020	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Sodium	**920**		56	7.5	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Thallium	**0.67**		0.56	0.23	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Vanadium	**17**		0.28	0.041	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	1
Zinc	**27**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:30	09/04/14 00:58	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		09/02/14 11:00	09/03/14 12:27	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		09/03/14 11:25	09/04/14 10:02	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**		17	6.6	ug/Kg	☼	09/02/14 15:00	09/03/14 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.79**		0.200	0.200	SU			08/27/14 17:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-3(0-6)-082214
Date Collected: 08/22/14 10:55
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-17
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		08/28/14 07:27	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		08/28/14 07:27	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/28/14 07:27	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		08/28/14 07:27	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		08/28/14 07:27	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		08/28/14 07:27	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		08/28/14 07:27	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		08/28/14 07:27	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 07:27	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		08/28/14 07:27	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		08/28/14 07:27	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		08/28/14 07:27	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		08/28/14 07:27	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/28/14 07:27	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		08/28/14 07:27	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/28/14 07:27	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		08/28/14 07:27	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		08/28/14 07:27	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		08/28/14 07:27	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		08/28/14 07:27	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		08/28/14 07:27	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 07:27	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		08/28/14 07:27	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 07:27	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		08/28/14 07:27	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		08/28/14 07:27	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/28/14 07:27	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		08/28/14 07:27	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		08/28/14 07:27	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		08/28/14 07:27	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		08/28/14 07:27	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		08/28/14 07:27	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		08/28/14 07:27	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		08/28/14 07:27	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		08/28/14 07:27	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/28/14 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*08/28/14 07:27*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*08/28/14 07:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*08/28/14 07:27*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/28/14 07:27*	*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 07:13	09/05/14 17:22	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-3(0-6)-082214
Date Collected: 08/22/14 10:55
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-17
Matrix: Solid
Percent Solids: 83.1

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 07:13	09/05/14 17:22	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
4-Nitroaniline	<380	*	380	160	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Benzo[b]fluoranthene	**12**	**J**	38	8.3	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Carbazole	<190	*	190	99	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Chrysene	**10**	**J**	38	10	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Dimethyl phthalate	<190	*	190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Fluoranthene	**15**	**J**	38	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-3(0-6)-082214
Date Collected: 08/22/14 10:55
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-17
Matrix: Solid
Percent Solids: 83.1

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	<38		38	9.9	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Isophorone	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Phenanthrene	**6.4**	**J**	38	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Phenol	<190		190	85	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1
Pyrene	**10**	**J**	38	7.6	ug/Kg	☼	09/02/14 07:13	09/05/14 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*09/02/14 07:13*	*09/05/14 17:22*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*09/02/14 07:13*	*09/05/14 17:22*	*1*
2-Fluorophenol	*46*		*25 - 110*	*09/02/14 07:13*	*09/05/14 17:22*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/02/14 07:13*	*09/05/14 17:22*	*1*
Phenol-d5	*43*		*31 - 110*	*09/02/14 07:13*	*09/05/14 17:22*	*1*
Terphenyl-d14	*92*		*36 - 134*	*09/02/14 07:13*	*09/05/14 17:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:25	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 20:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 19:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 19:25	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:25	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:25	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:25	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 19:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 19:25	1
Manganese	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:25	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:25	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:25	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:25	1
Zinc	**0.025**	**J**	0.10	0.020	mg/L		09/02/14 15:40	09/03/14 19:25	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		09/02/14 08:55	09/03/14 16:09	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 16:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 16:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 16:09	1
Chromium	**0.069**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:09	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:09	1
Copper	**0.11**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:09	1
Iron	**59**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 16:09	1
Lead	**0.047**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 16:09	1
Manganese	**0.59**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:09	1
Nickel	**0.050**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:09	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 16:09	1

Client Sample ID: AF-3(0-6)-082214
Date Collected: 08/22/14 10:55
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-17
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		09/02/14 08:55	09/03/14 16:09	1
Zinc	**0.25**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 16:09	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 10:30	09/04/14 01:04	1
Arsenic	**4.0**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Barium	**55**		0.56	0.060	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Beryllium	**0.46**		0.23	0.045	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Cadmium	**0.43**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Calcium	**39000**	**B**	11	3.1	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Chromium	**14**	**B**	0.56	0.066	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Cobalt	**5.6**		0.28	0.056	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Copper	**13**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Iron	**12000**		11	4.6	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Lead	**18**	**B**	0.28	0.084	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Magnesium	**23000**	**B**	5.6	1.2	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Manganese	**490**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Nickel	**11**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Potassium	**1600**		28	1.7	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Silver	**0.040**	**J**	0.28	0.020	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Sodium	**320**		56	7.6	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Thallium	**0.63**		0.56	0.24	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Vanadium	**24**		0.28	0.042	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	1
Zinc	**44**	**B**	1.1	0.23	mg/Kg	☼	09/03/14 10:30	09/04/14 01:04	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		09/02/14 11:00	09/03/14 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 10:03	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	**25**		17	6.8	ug/Kg	☼	09/02/14 15:00	09/03/14 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.16**		0.200	0.200	SU			08/27/14 17:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-3(6-13)-082214
Date Collected: 08/22/14 11:00
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-18
Matrix: Solid
Percent Solids: 81.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		08/28/14 07:50	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		08/28/14 07:50	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		08/28/14 07:50	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		08/28/14 07:50	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		08/28/14 07:50	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		08/28/14 07:50	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		08/28/14 07:50	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		08/28/14 07:50	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		08/28/14 07:50	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		08/28/14 07:50	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		08/28/14 07:50	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		08/28/14 07:50	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		08/28/14 07:50	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		08/28/14 07:50	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		08/28/14 07:50	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		08/28/14 07:50	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		08/28/14 07:50	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		08/28/14 07:50	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		08/28/14 07:50	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		08/28/14 07:50	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		08/28/14 07:50	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		08/28/14 07:50	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		08/28/14 07:50	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		08/28/14 07:50	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		08/28/14 07:50	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		08/28/14 07:50	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		08/28/14 07:50	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		08/28/14 07:50	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		08/28/14 07:50	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		08/28/14 07:50	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		08/28/14 07:50	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		08/28/14 07:50	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		08/28/14 07:50	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		08/28/14 07:50	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		08/28/14 07:50	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		08/28/14 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/28/14 07:50*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/28/14 07:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*08/28/14 07:50*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/28/14 07:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-3(6-13)-082214
Date Collected: 08/22/14 11:00
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-18
Matrix: Solid
Percent Solids: 81.7

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 07:13	09/05/14 17:42	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2-Methylnaphthalene	<40		40	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
3-Nitroaniline	<400	*	400	120	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
4-Nitroaniline	<400	*	400	170	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Carbazole	<200	*	200	100	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Chrysene	<40		40	11	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Dimethyl phthalate	<200	*	200	52	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-3(6-13)-082214
Date Collected: 08/22/14 11:00
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-18
Matrix: Solid
Percent Solids: 81.7

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	<40		40	10	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Isophorone	<200		200	45	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Naphthalene	<40		40	6.1	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Phenol	<200		200	88	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1
Pyrene	<40		40	7.9	ug/Kg	☼	09/02/14 07:13	09/05/14 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*35 - 137*	*09/02/14 07:13*	*09/05/14 17:42*	*1*
2-Fluorobiphenyl	*46*		*25 - 119*	*09/02/14 07:13*	*09/05/14 17:42*	*1*
2-Fluorophenol	*37*		*25 - 110*	*09/02/14 07:13*	*09/05/14 17:42*	*1*
Nitrobenzene-d5	*35*		*25 - 115*	*09/02/14 07:13*	*09/05/14 17:42*	*1*
Phenol-d5	*35*		*31 - 110*	*09/02/14 07:13*	*09/05/14 17:42*	*1*
Terphenyl-d14	*71*		*36 - 134*	*09/02/14 07:13*	*09/05/14 17:42*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:32	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 20:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:32	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:32	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:32	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 19:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 19:32	1
Manganese	**0.46**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:32	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:32	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:32	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:32	1
Zinc	**0.034**	**J**	0.10	0.020	mg/L		09/02/14 15:40	09/03/14 19:32	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 08:55	09/03/14 16:15	1
Barium	**0.053**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 16:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 16:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 16:15	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:15	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:15	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:15	1
Iron	**7.0**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 16:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 16:15	1
Manganese	**0.034**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:15	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:15	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 16:15	1

Client Sample ID: AF-3(6-13)-082214
Date Collected: 08/22/14 11:00
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-18
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 08:55	09/03/14 16:15	1
Zinc	**0.026**	**J**	0.10	0.020	mg/L		09/02/14 08:55	09/03/14 16:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Arsenic	**7.2**		0.58	0.12	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Barium	**19**		0.58	0.062	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Beryllium	**0.27**		0.23	0.047	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Cadmium	**0.36**		0.12	0.015	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Calcium	**140000**	**B**	120	32	mg/Kg	☼	09/03/14 10:30	09/04/14 19:41	10
Chromium	**7.5**	**B**	0.58	0.068	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Cobalt	**3.1**		0.29	0.058	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Copper	**8.0**		0.58	0.12	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Iron	**8800**		12	4.8	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Lead	**3.6**	**B**	0.29	0.087	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Magnesium	**56000**	**B**	5.8	1.2	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Manganese	**310**		0.58	0.12	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Nickel	**6.9**		0.58	0.12	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Potassium	**1300**		29	1.8	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Sodium	**320**		58	7.8	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Thallium	**0.36**	**J**	0.58	0.25	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Vanadium	**12**		0.29	0.043	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1
Zinc	**20**	**B**	1.2	0.24	mg/Kg	☼	09/03/14 10:30	09/04/14 01:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/02/14 11:00	09/03/14 12:31	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		09/03/14 11:25	09/04/14 10:05	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	**18**	**J**	19	7.4	ug/Kg	☼	09/02/14 15:00	09/03/14 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.95**		0.200	0.200	SU			08/27/14 18:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-4(0-6)-082214
Date Collected: 08/22/14 11:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-19
Matrix: Solid
Percent Solids: 84.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		08/28/14 08:13	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		08/28/14 08:13	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 08:13	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		08/28/14 08:13	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/28/14 08:13	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		08/28/14 08:13	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/28/14 08:13	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		08/28/14 08:13	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 08:13	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		08/28/14 08:13	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 08:13	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		08/28/14 08:13	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		08/28/14 08:13	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 08:13	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		08/28/14 08:13	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/28/14 08:13	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		08/28/14 08:13	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		08/28/14 08:13	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		08/28/14 08:13	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 08:13	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/28/14 08:13	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 08:13	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		08/28/14 08:13	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 08:13	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		08/28/14 08:13	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		08/28/14 08:13	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 08:13	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		08/28/14 08:13	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		08/28/14 08:13	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		08/28/14 08:13	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		08/28/14 08:13	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		08/28/14 08:13	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		08/28/14 08:13	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		08/28/14 08:13	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 08:13	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/28/14 08:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*08/28/14 08:13*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/28/14 08:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/28/14 08:13*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/28/14 08:13*	*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 07:13	09/05/14 18:03	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-4(0-6)-082214
Date Collected: 08/22/14 11:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-19
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
4-Nitroaniline	<380	*	380	160	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Carbazole	<190	*	190	99	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Chrysene	<38		38	10	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Dimethyl phthalate	<190	*	190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Fluoranthene	**15**	**J**	38	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Hexachloroethane	<190		190	59	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-4(0-6)-082214
Date Collected: 08/22/14 11:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-19
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Isophorone	<190		190	43	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Phenanthrene	**11**	**J**	38	5.4	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Phenol	<190		190	86	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1
Pyrene	**9.5**	**J**	38	7.6	ug/Kg	☼	09/02/14 07:13	09/05/14 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*35 - 137*	*09/02/14 07:13*	*09/05/14 18:03*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*09/02/14 07:13*	*09/05/14 18:03*	*1*
2-Fluorophenol	*51*		*25 - 110*	*09/02/14 07:13*	*09/05/14 18:03*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*09/02/14 07:13*	*09/05/14 18:03*	*1*
Phenol-d5	*46*		*31 - 110*	*09/02/14 07:13*	*09/05/14 18:03*	*1*
Terphenyl-d14	*88*		*36 - 134*	*09/02/14 07:13*	*09/05/14 18:03*	*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		09/02/14 15:40	09/03/14 19:38	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 20:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 19:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 19:38	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:38	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:38	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:38	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 19:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 19:38	1
Manganese	**0.011**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:38	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:38	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:38	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:38	1
Zinc	**0.14**		0.10	0.020	mg/L		09/02/14 15:40	09/03/14 19:38	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 08:55	09/03/14 16:22	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 16:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 16:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 16:22	1
Chromium	**0.039**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:22	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:22	1
Copper	**0.046**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:22	1
Iron	**32**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 16:22	1
Lead	**0.020**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 16:22	1
Manganese	**0.21**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:22	1
Nickel	**0.032**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:22	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 16:22	1

Client Sample ID: AF-4(0-6)-082214
Date Collected: 08/22/14 11:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-19
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 08:55	09/03/14 16:22	1
Zinc	**0.11**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 16:22	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 10:30	09/04/14 01:17	1
Arsenic	**3.8**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Barium	**37**		0.56	0.060	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Beryllium	**0.40**		0.22	0.045	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Cadmium	**0.45**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Calcium	**85000**	**B**	110	30	mg/Kg	☼	09/03/14 10:30	09/04/14 19:45	10
Chromium	**11**	**B**	0.56	0.065	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Cobalt	**4.9**		0.28	0.056	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Copper	**13**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Iron	**11000**		11	4.6	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Lead	**130**	**B**	0.28	0.083	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Magnesium	**39000**	**B**	5.6	1.2	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Manganese	**400**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Nickel	**11**		0.56	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Potassium	**1800**		28	1.7	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Silver	**0.030**	**J**	0.28	0.020	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Sodium	**190**		56	7.5	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Thallium	**0.59**		0.56	0.24	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Vanadium	**20**		0.28	0.041	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	1
Zinc	**38**	**B**	1.1	0.23	mg/Kg	☼	09/03/14 10:30	09/04/14 01:17	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		09/02/14 11:00	09/03/14 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 10:07	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	**9.7**	**J**	18	6.9	ug/Kg	☼	09/02/14 15:00	09/03/14 16:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.91**		0.200	0.200	SU			08/27/14 18:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-4(6-13)-082214
Date Collected: 08/22/14 11:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-20
Matrix: Solid
Percent Solids: 82.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		08/28/14 08:35	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		08/28/14 08:35	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		08/28/14 08:35	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		08/28/14 08:35	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		08/28/14 08:35	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		08/28/14 08:35	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		08/28/14 08:35	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		08/28/14 08:35	1
Chloroethane	<6.1		6.1	1.6	ug/Kg	☼		08/28/14 08:35	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		08/28/14 08:35	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		08/28/14 08:35	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		08/28/14 08:35	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		08/28/14 08:35	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		08/28/14 08:35	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		08/28/14 08:35	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		08/28/14 08:35	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		08/28/14 08:35	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		08/28/14 08:35	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		08/28/14 08:35	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		08/28/14 08:35	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		08/28/14 08:35	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		08/28/14 08:35	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		08/28/14 08:35	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		08/28/14 08:35	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		08/28/14 08:35	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		08/28/14 08:35	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		08/28/14 08:35	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		08/28/14 08:35	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		08/28/14 08:35	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		08/28/14 08:35	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		08/28/14 08:35	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		08/28/14 08:35	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		08/28/14 08:35	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		08/28/14 08:35	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		08/28/14 08:35	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		08/28/14 08:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/28/14 08:35*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/28/14 08:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*08/28/14 08:35*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/28/14 08:35*	*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 07:13	09/05/14 18:24	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-4(6-13)-082214
Date Collected: 08/22/14 11:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-20
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
3-Nitroaniline	<390	*	390	120	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
4-Nitroaniline	<390	*	390	170	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Anthracene	<39		39	6.6	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Carbazole	<200	*	200	100	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Chrysene	<39		39	11	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Dimethyl phthalate	<200	*	200	52	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Fluorene	<39		39	5.6	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: AF-4(6-13)-082214
Date Collected: 08/22/14 11:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-20
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Isophorone	<200		200	44	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Naphthalene	<39		39	6.1	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Phenol	<200		200	88	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1
Pyrene	<39		39	7.9	ug/Kg	☼	09/02/14 07:13	09/05/14 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*110*		*35 - 137*	*09/02/14 07:13*	*09/05/14 18:24*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*09/02/14 07:13*	*09/05/14 18:24*	*1*
2-Fluorophenol	*48*		*25 - 110*	*09/02/14 07:13*	*09/05/14 18:24*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/02/14 07:13*	*09/05/14 18:24*	*1*
Phenol-d5	*41*		*31 - 110*	*09/02/14 07:13*	*09/05/14 18:24*	*1*
Terphenyl-d14	*90*		*36 - 134*	*09/02/14 07:13*	*09/05/14 18:24*	*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		09/02/14 15:40	09/03/14 19:59	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/04/14 20:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 19:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 19:59	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:59	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:59	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:59	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 19:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 19:59	1
Manganese	**0.011**	**J**	0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:59	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:59	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 19:59	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 19:59	1
Zinc	**0.18**		0.10	0.020	mg/L		09/02/14 15:40	09/03/14 19:59	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		09/02/14 08:55	09/03/14 16:28	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 16:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 16:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 16:28	1
Chromium	**0.047**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:28	1
Cobalt	**0.010**	**J**	0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:28	1
Copper	**0.040**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:28	1
Iron	**42**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 16:28	1
Lead	**0.015**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 16:28	1
Manganese	**0.26**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:28	1
Nickel	**0.034**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:28	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 16:28	1

Client Sample ID: AF-4(6-13)-082214
Date Collected: 08/22/14 11:20
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 16:28	1
Zinc	**0.12**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 16:28	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 10:30	09/04/14 01:23	1
Arsenic	**4.8**		0.55	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Barium	**50**		0.55	0.059	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Beryllium	**0.44**		0.22	0.044	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Cadmium	**0.40**		0.11	0.014	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Calcium	**43000**	**B**	11	3.0	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Chromium	**13**	**B**	0.55	0.064	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Cobalt	**5.4**		0.28	0.055	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Copper	**12**		0.55	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Iron	**12000**		11	4.6	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Lead	**7.1**	**B**	0.28	0.083	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Magnesium	**25000**	**B**	5.5	1.1	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Manganese	**490**		0.55	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Nickel	**12**		0.55	0.11	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Potassium	**1400**		28	1.7	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Silver	**0.035**	**J**	0.28	0.020	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Sodium	**180**		55	7.4	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Thallium	**0.78**		0.55	0.23	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Vanadium	**23**		0.28	0.041	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1
Zinc	**32**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 10:30	09/04/14 01:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/02/14 11:00	09/03/14 12:35	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		09/03/14 11:25	09/04/14 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	**21**		19	7.3	ug/Kg	☼	09/02/14 15:00	09/03/14 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.82**		0.200	0.200	SU			08/27/14 18:15	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
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
X	Surrogate is outside 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
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

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

Chain of Custody Record

Lab Job #: 500-92878

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andris Slesers	Contact:
Company: Weston	Company:
Address: 300 Plaza Circle #202	Address:
Address: Mundelein, IL	Address:
Phone: 224-864-7201	Phone:
Fax:	Fax:
E-Mail: Andris.Slesers@westonsolutions.com	PO#/Reference#

Client: Weston Solutions	Client Project #:
Project Name: IDOT-Volo-057	
Project Location/State: Volo, IL	Lab Project #: 50010031
Sampler: Sena	Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Metals	TCL/SPLP metals	pH	Comments
							7	7	7	7	7		
11		FS-1(0-2)-082214	8-22-14	9:45	2	S		X	X	X	X	X	
12		FS-1(2-8)-082214		9:50									
13		AF-1(0-6)-082214		10:10									
14		AF-1(6-13)-082214		10:15									
15		AF-2(0-6)-082214		10:30									
16		AF-2(6-13)-082214		10:35									
17		AF-3(0-6)-082214		10:55									
18		AF-3(6-13)-082214		11:00									
19		AF-4(0-6)-082214		11:15									
20		AF-4(6-13)-082214	8-22-14	11:20	2	S		X	X	X	X	X	

Turnaround Time Required (Business Days)

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

Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Dawn Sena	Weston	8-22-14	14:45		EMLabs	8.22.14	1750 1450
	EMLabs	8-22-14	15:10		TA	8/23	1570
	TA	8/23	11:25		TA	8/23/14	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:

TAL-4124-500 (1209)

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: 500-82879-1
Client Project/Site: IDOT - Volo - WO 057

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/8/2014 1:25:59 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AF-5(0-6)-082214
Date Collected: 08/22/14 11:40
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-1
Matrix: Solid
Percent Solids: 89.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	☼		08/26/14 18:06	1
Benzene	<5.6		5.6	0.76	ug/Kg	☼		08/26/14 18:06	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	☼		08/26/14 18:06	1
Bromoform	<5.6	*	5.6	1.3	ug/Kg	☼		08/26/14 18:06	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		08/26/14 18:06	1
Carbon disulfide	<5.6		5.6	0.83	ug/Kg	☼		08/26/14 18:06	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		08/26/14 18:06	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		08/26/14 18:06	1
Chloroethane	<5.6	*	5.6	1.5	ug/Kg	☼		08/26/14 18:06	1
Chloroform	<5.6		5.6	0.64	ug/Kg	☼		08/26/14 18:06	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		08/26/14 18:06	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		08/26/14 18:06	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	☼		08/26/14 18:06	1
Dibromochloromethane	<5.6		5.6	0.97	ug/Kg	☼		08/26/14 18:06	1
1,1-Dichloroethane	<5.6		5.6	0.88	ug/Kg	☼		08/26/14 18:06	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/26/14 18:06	1
1,1-Dichloroethene	<5.6		5.6	0.90	ug/Kg	☼		08/26/14 18:06	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		08/26/14 18:06	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	☼		08/26/14 18:06	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		08/26/14 18:06	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		08/26/14 18:06	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		08/26/14 18:06	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		08/26/14 18:06	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		08/26/14 18:06	1
Methyl tert-butyl ether	<5.6		5.6	0.92	ug/Kg	☼		08/26/14 18:06	1
Styrene	<5.6		5.6	0.73	ug/Kg	☼		08/26/14 18:06	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/26/14 18:06	1
Tetrachloroethene	<5.6		5.6	0.85	ug/Kg	☼		08/26/14 18:06	1
Toluene	<5.6		5.6	0.78	ug/Kg	☼		08/26/14 18:06	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		08/26/14 18:06	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		08/26/14 18:06	1
1,1,1-Trichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/26/14 18:06	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	☼		08/26/14 18:06	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	☼		08/26/14 18:06	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		08/26/14 18:06	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/26/14 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/26/14 18:06*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*08/26/14 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*08/26/14 18:06*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/26/14 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	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AF-5(0-6)-082214
Date Collected: 08/22/14 11:40
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-1
Matrix: Solid
Percent Solids: 89.6

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	84	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2,4-Dinitrophenol	<740	*	740	650	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Acenaphthylene	<37		37	4.8	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Anthracene	<37		37	6.1	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Benzo[a]anthracene	<37		37	4.9	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Benzo[b]fluoranthene	<37		37	7.9	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Bis(2-chloroethoxy)methane	<180		180	38	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Carbazole	<180		180	95	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Chrysene	<37		37	10	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Fluoranthene	**110**		37	6.8	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Hexachlorocyclopentadiene	<740	*	740	210	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AF-5(0-6)-082214
Date Collected: 08/22/14 11:40
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-1
Matrix: Solid
Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.5	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Phenanthrene	**30**	**J**	37	5.1	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Phenol	<180		180	82	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1
Pyrene	**87**		37	7.3	ug/Kg	☼	09/02/14 17:11	09/06/14 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*35 - 137*	*09/02/14 17:11*	*09/06/14 02:24*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*09/02/14 17:11*	*09/06/14 02:24*	*1*
2-Fluorophenol	*63*		*25 - 110*	*09/02/14 17:11*	*09/06/14 02:24*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/02/14 17:11*	*09/06/14 02:24*	*1*
Phenol-d5	*62*		*31 - 110*	*09/02/14 17:11*	*09/06/14 02:24*	*1*
Terphenyl-d14	*89*		*36 - 134*	*09/02/14 17:11*	*09/06/14 02:24*	*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	09/03/14 16:54	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/03/14 08:15	09/03/14 16:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/03/14 16:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/03/14 16:54	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 16:54	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 16:54	1
Copper	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 16:54	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/03/14 16:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/03/14 16:54	1
Manganese	**0.37**		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 16:54	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 16:54	1
Selenium	**0.022**	**J B**	0.050	0.010	mg/L		09/03/14 08:15	09/03/14 16:54	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 16:54	1
Zinc	**0.025**	**J B**	0.10	0.020	mg/L		09/03/14 08:15	09/03/14 16:54	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		09/03/14 08:45	09/03/14 18:08	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/03/14 08:45	09/03/14 18:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:45	09/03/14 18:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:45	09/03/14 18:08	1
Chromium	**0.015**	**J**	0.025	0.010	mg/L		09/03/14 08:45	09/04/14 22:20	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:08	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		09/03/14 08:45	09/04/14 22:20	1
Iron	**6.6**		0.20	0.20	mg/L		09/03/14 08:45	09/03/14 18:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:45	09/03/14 18:08	1
Manganese	**0.090**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:08	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:08	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 08:45	09/03/14 18:08	1

Client Sample ID: AF-5(0-6)-082214
Date Collected: 08/22/14 11:40
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-1
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		09/03/14 08:45	09/04/14 22:20	1
Zinc	**0.30**		0.10	0.020	mg/L		09/03/14 08:45	09/03/14 18:08	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 17:30	09/05/14 02:56	1
Arsenic	**4.8**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Barium	**41**		0.54	0.058	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Beryllium	**0.51**		0.22	0.043	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Cadmium	**0.10**	**J**	0.11	0.014	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Calcium	**11000**		11	2.9	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Chromium	**14**		0.54	0.063	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Cobalt	**8.2**		0.27	0.054	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Copper	**13**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Iron	**14000**		11	4.4	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Lead	**16**		0.27	0.081	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Magnesium	**7200**		5.4	1.1	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Manganese	**360**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Nickel	**24**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Potassium	**910**		27	1.6	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Sodium	**610**		54	7.3	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Vanadium	**21**		0.27	0.040	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	1
Zinc	**58**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 17:30	09/05/14 02:56	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		09/03/14 11:25	09/04/14 10:23	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		09/03/14 11:25	09/04/14 10:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	17	6.5	ug/Kg	☼	09/02/14 15:00	09/03/14 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.70**		0.200	0.200	SU			08/27/14 18:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AF-5(6-13)-082214
Date Collected: 08/22/14 11:45
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-2
Matrix: Solid
Percent Solids: 85.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	21		5.8	2.5	ug/Kg	☼		08/26/14 18:28	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		08/26/14 18:28	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 18:28	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		08/26/14 18:28	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		08/26/14 18:28	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		08/26/14 18:28	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/26/14 18:28	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/26/14 18:28	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		08/26/14 18:28	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		08/26/14 18:28	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 18:28	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		08/26/14 18:28	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		08/26/14 18:28	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 18:28	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/26/14 18:28	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/26/14 18:28	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		08/26/14 18:28	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		08/26/14 18:28	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		08/26/14 18:28	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 18:28	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 18:28	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/26/14 18:28	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/26/14 18:28	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/26/14 18:28	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/26/14 18:28	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		08/26/14 18:28	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 18:28	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		08/26/14 18:28	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		08/26/14 18:28	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/26/14 18:28	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 18:28	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/26/14 18:28	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		08/26/14 18:28	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		08/26/14 18:28	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 18:28	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/26/14 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/26/14 18:28*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*08/26/14 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/26/14 18:28*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/26/14 18:28*	*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	09/03/14 12:43	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AF-5(6-13)-082214
Date Collected: 08/22/14 11:45
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-2
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2,4-Dinitrophenol	<740	*	740	650	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2-Methylphenol	<190		190	59	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Carbazole	<190		190	95	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Chrysene	<37		37	10	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Dibenzofuran	<190		190	43	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Hexachlorocyclopentadiene	<740	*	740	210	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Hexachloroethane	<190		190	56	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: AF-5(6-13)-082214
Date Collected: 08/22/14 11:45
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-2
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Isophorone	<190		190	41	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Phenanthrene	<37		37	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Phenol	<190		190	82	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1
Pyrene	<37		37	7.3	ug/Kg	☼	09/02/14 17:11	09/03/14 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*35 - 137*	*09/02/14 17:11*	*09/03/14 12:43*	*1*
2-Fluorobiphenyl	*46*		*25 - 119*	*09/02/14 17:11*	*09/03/14 12:43*	*1*
2-Fluorophenol	*37*		*25 - 110*	*09/02/14 17:11*	*09/03/14 12:43*	*1*
Nitrobenzene-d5	*35*		*25 - 115*	*09/02/14 17:11*	*09/03/14 12:43*	*1*
Phenol-d5	*38*		*31 - 110*	*09/02/14 17:11*	*09/03/14 12:43*	*1*
Terphenyl-d14	*77*		*36 - 134*	*09/02/14 17:11*	*09/03/14 12:43*	*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	09/03/14 17:14	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		09/03/14 08:15	09/03/14 17:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/03/14 17:14	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		09/03/14 08:15	09/03/14 17:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:14	1
Cobalt	**0.053**		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:14	1
Copper	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:14	1
Iron	**0.21**		0.20	0.20	mg/L		09/03/14 08:15	09/03/14 17:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/03/14 17:14	1
Manganese	**5.9**		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:14	1
Nickel	**0.033**		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:14	1
Selenium	**0.019**	**J B**	0.050	0.010	mg/L		09/03/14 08:15	09/03/14 17:14	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:14	1
Zinc	**0.052**	**J**	0.10	0.020	mg/L		09/03/14 08:15	09/03/14 17:14	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		09/03/14 08:45	09/03/14 18:32	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		09/03/14 08:45	09/03/14 18:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:45	09/03/14 18:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:45	09/03/14 18:32	1
Chromium	**0.025**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:32	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:32	1
Copper	**0.092**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:32	1
Iron	**14**		0.20	0.20	mg/L		09/03/14 08:45	09/03/14 18:32	1
Lead	**0.011**		0.0075	0.0075	mg/L		09/03/14 08:45	09/03/14 18:32	1
Manganese	**0.24**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:32	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:32	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 08:45	09/03/14 18:32	1

Client Sample ID: AF-5(6-13)-082214
Date Collected: 08/22/14 11:45
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-2
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		09/03/14 08:45	09/03/14 18:32	1
Zinc	**0.32**		0.10	0.020	mg/L		09/03/14 08:45	09/03/14 18:32	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 17:30	09/05/14 03:01	1
Arsenic	**2.5**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Barium	**21**		0.54	0.057	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Beryllium	**0.19**	**J**	0.21	0.043	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Cadmium	**0.088**	**J**	0.11	0.014	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Calcium	**130000**		110	29	mg/Kg	☼	09/03/14 17:30	09/05/14 15:38	10
Chromium	**7.3**		0.54	0.062	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Cobalt	**3.8**		0.27	0.054	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Copper	**5.9**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Iron	**7100**		11	4.4	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Lead	**4.4**		0.27	0.080	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Magnesium	**67000**		54	11	mg/Kg	☼	09/03/14 17:30	09/05/14 15:38	10
Manganese	**270**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Nickel	**7.2**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Potassium	**850**		27	1.6	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Sodium	**630**		54	7.2	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Vanadium	**13**		0.27	0.040	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1
Zinc	**22**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 17:30	09/05/14 03:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 10:25	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		09/03/14 11:25	09/04/14 10:50	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**	19	7.6	ug/Kg	☼	09/02/14 15:00	09/03/14 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.86**		0.200	0.200	SU			08/27/14 18:27	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

GC/MS Semi VOA

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

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 - Volo - WO 057

TestAmerica Job ID: 500-82879-1

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

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-82879 COC

Chain of Custody Record

Lab Job #: 500-82879

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: (2.7)

Report To (optional)		Bill To (optional)	
Contact:	Andris Slesers	Contact:	
Company:	Weston	Company:	
Address:	300 Plaza Circle #202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Slesers@WestonSolutions.com	PO#/Reference#	

Client	Client Project #	Preservative	7	7	7	7	7				
Weston Solutions		Parameter	VOCs	SVOCs	metals	TCLP/SPLP metals	pH				
Project Name: IDOT-Volo-WO 057											
Project Location/State: Volo, IL	Lab Project #: 500100031										
Sampler: Sena	Lab PM: Wright										

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. $NaHSO_4$
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Comments
1		AF-5(0-6)-082214	8-22-14	11:40	2	S	
2		AF-5(6-13)-082214		11:45			
3		RW-1(0-4)-082214		12:25			
4		RW-1(4-9)-082214		12:30			
5		AL-3(0-5)-082214		12:15			
6		AL-3(0-5)-082214D		12:15	2	S	
*		last item					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Allen	Weston	8-22-14	14:45		TA	8-22-14	1550 1450
	Weston	8-22-14	15:10		TA	8/22/14	1570
	TA	8/22/14	16:25		TA	8/23/14	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: FAP 334: US Rte 12 / Illinois Rte 59 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
27419-27451 Molidor Road

City: Volo State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.344204571 (Decimal Degrees) Longitude: -88.168067563 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 334: US Rte 12 / Illinois Rte 59

Latitude: 42.344204571 Longitude: -88.168067563

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 RW-1, RW-4, AND RW-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2404-8. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-82878-1 AND 500-82879-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

1/21/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2404-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Field Sample ID	RW-1(0-4)-082214	RW-1(4-9)-082214	RW-4(0-2)-082214	RW-5(0-2)-082214	Soil Reference Concentrations[A]
Sample Date	8/22/2014	8/22/2014	8/22/2014	8/22/2014	
Location ID	RW-1	RW-1	RW-4	RW-5	
Depth	0 - 4	4 - 9	0 - 2	0 - 2	
ISGS Site Number	2404-8	2404-8	2404-8	2404-8	
Parameter					
Laboratory pH	8.47	8.43	8.39	8.74	<6.25, >9.0
VOCs (ug/kg)	**No Exceedances**				
SVOCs (ug/kg)					
Benzo(a)anthracene	28 J	ND	880	300	900 / 1100 / 1800
Benzo(a)pyrene	35 J	ND	1000	300 J-	90 / 1300 / 2100
Benzo(b)fluoranthene	43	ND	1400	430 J-	900 / 1500 / 2100
Dibenzo(a,h)anthracene	7.8 J	ND	220	43	90 / 200 / 420
Indeno(1,2,3-cd)pyrene	21 J	ND	620	220 J-	900 / 900 / 1600
Total Metals (mg/kg)					
Arsenic, Total	6.6	1.9	5.7 J-	5.6 J-	11.3/13.0
Barium, Total	52	21	64 J-	45 J-	1500
Beryllium, Total	0.64	0.24	0.49 J-	0.69 J-	22
Cadmium, Total	0.22	0.13	0.49 J	0.32 J	5.2
Calcium, Total	64000	150000	38000 J	12000 J	---
Chromium, Total	19	8.2	14 J-	17 J-	21
Cobalt, Total	12	4.2	6.1 J-	5 J-	20
Copper, Total	23	9.9	14 J-	16 J-	2900
Iron, Total	19000	7300	13000 J-	16000 J-	15000/15900
Lead, Total	20	4.8	15 J-	8.5 J-	107
Magnesium, Total	24000	71000	25000 J	7200 J	325000
Manganese, Total	510	290	680 J-	440 J-	630/636
Mercury, Total	0.039	0.018 J	0.031	0.031	0.89
Nickel, Total	29	8.8	14 J-	19 J-	100
Potassium, Total	1700	870	1800 J	1300 J	---
Silver, Total	ND	ND	0.059 J	0.024 J	4.4
Sodium, Total	2700	1000	1200	1100	---
Thallium, Total	ND	ND	1.1 J-	1.1 J-	2.6
Vanadium, Total	29	13	22 J-	27 J-	550
Zinc, Total	80 B	32 B	38 J-	36 J-	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.5	0.38 J	0.31 J	0.27 J	2
Cadmium, TCLP	0.0024 J	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	0.016 J	0.032	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	3.4	2.1	0.062	ND	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	0.019 J	0.019 J	ND	ND	0.1
Zinc, TCLP	0.19	0.19	ND	ND	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.038 J	ND	0.06	0.046 J	0.05
Barium, SPLP	0.71	0.32 J	0.48 J	0.54	2
Beryllium, SPLP	0.005	ND	0.0052	0.0069	0.004
Cadmium, SPLP	0.0025 J	ND	ND	ND	0.005
Chromium, SPLP	0.15	0.036	0.14	0.19	0.1
Cobalt, SPLP	0.034	ND	0.033	0.039	1
Copper, SPLP	0.15	0.12	0.13	0.17	0.65
Iron, SPLP	140	24	130 J-	170 J-	5
Lead, SPLP	0.11	0.014	0.074	0.084	0.0075
Manganese, SPLP	1.2	0.16	1.2	1.2	0.15
Mercury, SPLP	0.0002	ND	0.00026 J+	0.00051 J+	0.002
Nickel, SPLP	0.14	0.022 J	0.12	0.16	0.1
Zinc, SPLP	0.75	0.3	0.37	0.4	5

Summary Table of ISGS Site No. 2404-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US Route 12 / Illinois Route 59
Volo, Lake County, Illinois

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-82878-1
Client Project/Site: IDOT - Volo - WO 057

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/8/2014 1:31:27 PM

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

Client Sample ID: RW-5(0-2)-082214
Date Collected: 08/22/14 08:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-1
Matrix: Solid
Percent Solids: 79.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		08/28/14 00:34	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		08/28/14 00:34	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		08/28/14 00:34	1
Bromoform	<6.3		6.3	1.4	ug/Kg	☼		08/28/14 00:34	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		08/28/14 00:34	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		08/28/14 00:34	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		08/28/14 00:34	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		08/28/14 00:34	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		08/28/14 00:34	1
Chloroform	<6.3		6.3	0.72	ug/Kg	☼		08/28/14 00:34	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		08/28/14 00:34	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		08/28/14 00:34	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	☼		08/28/14 00:34	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		08/28/14 00:34	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	☼		08/28/14 00:34	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		08/28/14 00:34	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		08/28/14 00:34	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	☼		08/28/14 00:34	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	☼		08/28/14 00:34	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		08/28/14 00:34	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		08/28/14 00:34	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		08/28/14 00:34	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		08/28/14 00:34	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	☼		08/28/14 00:34	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		08/28/14 00:34	1
Styrene	<6.3		6.3	0.82	ug/Kg	☼		08/28/14 00:34	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		08/28/14 00:34	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		08/28/14 00:34	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		08/28/14 00:34	1
trans-1,2-Dichloroethene	<6.3		6.3	0.86	ug/Kg	☼		08/28/14 00:34	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		08/28/14 00:34	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		08/28/14 00:34	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		08/28/14 00:34	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		08/28/14 00:34	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		08/28/14 00:34	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		08/28/14 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/28/14 00:34*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*08/28/14 00:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*08/28/14 00:34*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/28/14 00:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
1,4-Dichlorobenzene	<210		210	52	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: RW-5(0-2)-082214
Date Collected: 08/22/14 08:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-1
Matrix: Solid
Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	93	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2,4-Dimethylphenol	<410		410	150	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2,6-Dinitrotoluene	<210		210	80	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2-Methylnaphthalene	<41		41	7.5	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2-Methylphenol	<210		210	65	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
2-Nitrophenol	<410		410	96	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
3-Nitroaniline	<410	*	410	130	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
4-Nitroaniline	<410	*	410	170	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Acenaphthene	**20**	**J**	41	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Anthracene	**52**		41	6.8	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Benzo[a]anthracene	**300**		41	5.5	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Benzo[a]pyrene	**300**		41	7.9	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Benzo[b]fluoranthene	**430**		41	8.8	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Benzo[g,h,i]perylene	**260**		41	13	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Benzo[k]fluoranthene	**180**		41	12	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Carbazole	<210	*	210	110	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Chrysene	**360**		41	11	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Dibenz(a,h)anthracene	**43**		41	7.9	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Dibenzofuran	<210		210	48	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Dimethyl phthalate	<210	*	210	53	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Fluoranthene	**730**		41	7.6	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Fluorene	**26**	**J**	41	5.7	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Hexachlorobenzene	<82		82	9.5	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Hexachloroethane	<210		210	62	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: RW-5(0-2)-082214
Date Collected: 08/22/14 08:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-1
Matrix: Solid
Percent Solids: 79.6

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	220		41	11	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Isophorone	<210		210	46	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Naphthalene	<41		41	6.3	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Nitrobenzene	<41		41	10	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
N-Nitrosodi-n-propylamine	<210		210	50	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Phenanthrene	430		41	5.7	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Phenol	<210		210	91	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1
Pyrene	990		41	8.1	ug/Kg	☼	09/02/14 07:13	09/05/14 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*113*		*35 - 137*	*09/02/14 07:13*	*09/05/14 11:45*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*09/02/14 07:13*	*09/05/14 11:45*	*1*
2-Fluorophenol	*58*		*25 - 110*	*09/02/14 07:13*	*09/05/14 11:45*	*1*
Nitrobenzene-d5	*53*		*25 - 115*	*09/02/14 07:13*	*09/05/14 11:45*	*1*
Phenol-d5	*53*		*31 - 110*	*09/02/14 07:13*	*09/05/14 11:45*	*1*
Terphenyl-d14	*90*		*36 - 134*	*09/02/14 07:13*	*09/05/14 11:45*	*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		09/02/14 15:40	09/03/14 16:57	1
Barium	0.27	J	0.50	0.050	mg/L		09/02/14 15:40	09/03/14 16:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 16:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 16:57	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 16:57	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 16:57	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 16:57	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 16:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 16:57	1
Manganese	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 16:57	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 16:57	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 16:57	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 16:57	1
Zinc	<0.10		0.10	0.020	mg/L		09/02/14 15:40	09/03/14 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		09/02/14 08:55	09/03/14 13:41	1
Barium	0.54		0.50	0.050	mg/L		09/02/14 08:55	09/03/14 13:41	1
Beryllium	0.0069		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 13:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 13:41	1
Chromium	0.19		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:41	1
Cobalt	0.039		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:41	1
Copper	0.17		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:41	1
Iron	170		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 13:41	1
Lead	0.084		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 13:41	1
Manganese	1.2		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:41	1
Nickel	0.16		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:41	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 13:41	1

Client Sample ID: RW-5(0-2)-082214
Date Collected: 08/22/14 08:15
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-1
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 08:55	09/03/14 13:41	1
Zinc	**0.40**		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 13:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Arsenic	**5.6**		0.59	0.12	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Barium	**45**		0.59	0.063	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Beryllium	**0.69**		0.24	0.047	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Cadmium	**0.32**		0.12	0.015	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Calcium	**12000**	**B**	12	3.2	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Chromium	**17**	**B**	0.59	0.069	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Cobalt	**5.0**		0.30	0.059	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Copper	**16**		0.59	0.12	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Iron	**16000**		12	4.9	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Lead	**8.5**	**B**	0.30	0.088	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Magnesium	**7200**	**B**	5.9	1.2	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Manganese	**440**		0.59	0.12	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Nickel	**19**		0.59	0.12	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Potassium	**1300**		30	1.8	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Silver	**0.024**	**J**	0.30	0.021	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Sodium	**1100**		59	7.9	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Thallium	**1.1**		0.59	0.25	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Vanadium	**27**		0.30	0.044	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1
Zinc	**36**	**B**	1.2	0.24	mg/Kg	☼	09/03/14 10:30	09/03/14 22:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/02/14 11:00	09/03/14 11:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.51**		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 09:18	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	**31**		18	7.1	ug/Kg	☼	09/02/14 15:00	09/03/14 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.74**		0.200	0.200	SU			08/27/14 16:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: RW-4(0-2)-082214
Date Collected: 08/22/14 08:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-2
Matrix: Solid
Percent Solids: 83.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		08/28/14 00:57	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		08/28/14 00:57	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/28/14 00:57	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		08/28/14 00:57	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		08/28/14 00:57	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		08/28/14 00:57	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		08/28/14 00:57	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		08/28/14 00:57	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 00:57	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		08/28/14 00:57	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		08/28/14 00:57	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		08/28/14 00:57	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		08/28/14 00:57	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/28/14 00:57	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		08/28/14 00:57	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/28/14 00:57	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		08/28/14 00:57	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		08/28/14 00:57	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		08/28/14 00:57	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		08/28/14 00:57	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		08/28/14 00:57	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 00:57	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		08/28/14 00:57	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		08/28/14 00:57	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		08/28/14 00:57	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		08/28/14 00:57	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/28/14 00:57	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		08/28/14 00:57	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		08/28/14 00:57	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		08/28/14 00:57	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		08/28/14 00:57	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/28/14 00:57	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		08/28/14 00:57	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		08/28/14 00:57	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		08/28/14 00:57	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/28/14 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/28/14 00:57*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*08/28/14 00:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*08/28/14 00:57*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/28/14 00:57*	*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 07:13	09/05/14 12:06	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

Client Sample ID: RW-4(0-2)-082214
Date Collected: 08/22/14 08:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-2
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	<370		370	86	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
3-Nitroaniline	<370	*	370	120	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
4-Nitroaniline	<370	*	370	160	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Acenaphthene	**71**		37	6.8	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Acenaphthylene	**18**	**J**	37	5.0	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Anthracene	**160**		37	6.3	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Benzo[a]anthracene	**880**		37	5.1	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Benzo[a]pyrene	**1000**		37	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Benzo[b]fluoranthene	**1400**		37	8.1	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Benzo[g,h,i]perylene	**690**		37	12	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Benzo[k]fluoranthene	**610**		37	11	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Carbazole	**130**	**J ***	190	97	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Chrysene	**1100**		37	10	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Dibenz(a,h)anthracene	**220**		37	7.3	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Dimethyl phthalate	<190	*	190	49	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Fluoranthene	**2600**		37	7.0	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Fluorene	**86**		37	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1

Client Sample ID: RW-4(0-2)-082214
Date Collected: 08/22/14 08:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-2
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	**620**		37	9.8	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Phenanthrene	**1700**		37	5.3	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1
Phenol	<190		190	84	ug/Kg	☼	09/02/14 07:13	09/05/14 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*35 - 137*	*09/02/14 07:13*	*09/05/14 12:06*	*1*
2-Fluorobiphenyl	*71*		*25 - 119*	*09/02/14 07:13*	*09/05/14 12:06*	*1*
2-Fluorophenol	*55*		*25 - 110*	*09/02/14 07:13*	*09/05/14 12:06*	*1*
Nitrobenzene-d5	*51*		*25 - 115*	*09/02/14 07:13*	*09/05/14 12:06*	*1*
Phenol-d5	*53*		*31 - 110*	*09/02/14 07:13*	*09/05/14 12:06*	*1*
Terphenyl-d14	*79*		*36 - 134*	*09/02/14 07:13*	*09/05/14 12:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**3700**		190	37	ug/Kg	☼	09/02/14 07:13	09/05/14 12:27	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		09/02/14 15:40	09/03/14 17:37	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		09/02/14 15:40	09/03/14 17:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/03/14 17:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/03/14 17:37	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 17:37	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 17:37	1
Copper	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 17:37	1
Iron	<0.20		0.20	0.20	mg/L		09/02/14 15:40	09/03/14 17:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/03/14 17:37	1
Manganese	**0.062**		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 17:37	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 17:37	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/03/14 17:37	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/03/14 17:37	1
Zinc	<0.10		0.10	0.020	mg/L		09/02/14 15:40	09/03/14 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.060**		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 13:47	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		09/02/14 08:55	09/03/14 13:47	1
Beryllium	**0.0052**		0.0040	0.0040	mg/L		09/02/14 08:55	09/03/14 13:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 08:55	09/03/14 13:47	1
Chromium	**0.14**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:47	1
Cobalt	**0.033**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:47	1
Copper	**0.13**		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:47	1
Iron	**130**		0.20	0.20	mg/L		09/02/14 08:55	09/03/14 13:47	1
Lead	**0.074**		0.0075	0.0075	mg/L		09/02/14 08:55	09/03/14 13:47	1

Client Sample ID: RW-4(0-2)-082214
Date Collected: 08/22/14 08:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82878-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	1.2		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:47	1
Nickel	0.12		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:47	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 08:55	09/03/14 13:47	1
Silver	<0.025		0.025	0.010	mg/L		09/02/14 08:55	09/03/14 13:47	1
Zinc	0.37		0.10	0.020	mg/L		09/02/14 08:55	09/03/14 13:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Arsenic	5.7		0.59	0.12	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Barium	64		0.59	0.063	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Beryllium	0.49		0.24	0.047	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Cadmium	0.49		0.12	0.015	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Calcium	38000	B	12	3.2	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Chromium	14	B	0.59	0.068	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Cobalt	6.1		0.29	0.059	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Copper	14		0.59	0.12	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Iron	13000		12	4.8	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Lead	15	B	0.29	0.088	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Magnesium	25000	B	5.9	1.2	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Manganese	680		0.59	0.12	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Nickel	14		0.59	0.12	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Potassium	1800		29	1.8	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Silver	0.059	J	0.29	0.021	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Sodium	1200		59	7.9	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Thallium	1.1		0.59	0.25	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Vanadium	22		0.29	0.044	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1
Zinc	38	B	1.2	0.24	mg/Kg	☼	09/03/14 10:30	09/03/14 23:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/02/14 11:00	09/03/14 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 09:20	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	31		20	7.8	ug/Kg	☼	09/02/14 15:00	09/03/14 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.39		0.200	0.200	SU			08/27/14 16:28	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
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
X	Surrogate is outside 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
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82878-1

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, Univers
Phone: 708.534.5200

500-82878 COC

Chain of Custody Record

Lab Job #: 500-82878

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (2.7) (2.5)

Report To (optional)	Bill To (optional)
Contact: Andris Slesers	Contact:
Company: Weston	Company:
Address: 300 Plaza Circle #202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax:	Fax:
E-Mail: Andris.Slesers@WestonSolutions.com	PO#/Reference#

Client: Weston Solutions
Client Project #:
Project Name: IDOT-Volo-WO 057
Project Location/State: Volo, IL
Lab Project #: 50010031
Sampler: Sena
Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	metals	TCLP/SPLP metals	pH	Comments
							7						
1		RW-5(0-2)-082214	8-22-14	8:15	2	S		X	X	X	X	X	
2		RW-4(0-2)-082214		8:30									
3		RW-3(0-2)-082214		8:45									
4		RW-2(0-2)-082214		8:55									
5		RW-2(0-2)-082214D		8:55									
6		AL-2(0-5)-082214		9:10									
7		AL-2(0-5)-082214D		9:10									
8		AL-1(0-5)-082214		9:20									
9		FS-2(0-2)-082214		9:30									
10		FS-2(2-8)-082214	8-22-14	9:35	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	8-22-14	14:45		LWLs	8-22-14	1350 & 1450
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	LWLs	8.22	1510		TA	8/22/14	1570
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	TA	8/22	1628		TA	8/23/14	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:

TAL-4124-500 (1209)

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: 500-82879-1
Client Project/Site: IDOT - Volo - WO 057

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/8/2014 1:25:59 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: RW-1(0-4)-082214
Date Collected: 08/22/14 12:25
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-3
Matrix: Solid
Percent Solids: 86.9

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 18:51	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 18:51	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		08/26/14 18:51	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	☼		08/26/14 18:51	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 18:51	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 18:51	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 18:51	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		08/26/14 18:51	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		08/26/14 18:51	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		08/26/14 18:51	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 18:51	1
cis-1,2-Dichloroethene	<5.8		5.8	0.81	ug/Kg	☼		08/26/14 18:51	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 18:51	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 18:51	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		08/26/14 18:51	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		08/26/14 18:51	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		08/26/14 18:51	1
1,2-Dichloropropane	<5.8		5.8	0.87	ug/Kg	☼		08/26/14 18:51	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 18:51	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 18:51	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/26/14 18:51	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/26/14 18:51	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/26/14 18:51	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/26/14 18:51	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		08/26/14 18:51	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/26/14 18:51	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 18:51	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		08/26/14 18:51	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/26/14 18:51	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 18:51	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/26/14 18:51	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/26/14 18:51	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/26/14 18:51	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		08/26/14 18:51	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/26/14 18:51	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		08/26/14 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/26/14 18:51*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/26/14 18:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/26/14 18:51*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/26/14 18:51*	*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	09/03/14 13:46	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: RW-1(0-4)-082214
Date Collected: 08/22/14 12:25
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-3
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Anthracene	**9.9**	**J**	37	6.3	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Benzo[a]anthracene	**28**	**J**	37	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Benzo[a]pyrene	**35**	**J**	37	7.3	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Benzo[b]fluoranthene	**43**		37	8.1	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Benzo[g,h,i]perylene	**29**	**J**	37	12	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Benzo[k]fluoranthene	**21**	**J**	37	11	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Carbazole	<190		190	97	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Chrysene	**37**		37	10	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Dibenz(a,h)anthracene	**7.8**	**J**	37	7.3	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Fluoranthene	**59**		37	7.0	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Fluorene	<37		37	5.3	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Hexachlorocyclopentadiene	<760	*	760	220	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: RW-1(0-4)-082214
Date Collected: 08/22/14 12:25
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-3
Matrix: Solid
Percent Solids: 86.9

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	21	J	37	9.7	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Phenanthrene	40		37	5.2	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Phenol	<190		190	83	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1
Pyrene	68		37	7.5	ug/Kg	☼	09/02/14 17:11	09/03/14 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*09/02/14 17:11*	*09/03/14 13:46*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*09/02/14 17:11*	*09/03/14 13:46*	*1*
2-Fluorophenol	*46*		*25 - 110*	*09/02/14 17:11*	*09/03/14 13:46*	*1*
Nitrobenzene-d5	*41*		*25 - 115*	*09/02/14 17:11*	*09/03/14 13:46*	*1*
Phenol-d5	*48*		*31 - 110*	*09/02/14 17:11*	*09/03/14 13:46*	*1*
Terphenyl-d14	*77*		*36 - 134*	*09/02/14 17:11*	*09/03/14 13:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/03/14 17:19	1
Barium	0.50		0.50	0.050	mg/L		09/03/14 08:15	09/03/14 17:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/03/14 17:19	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		09/03/14 08:15	09/03/14 17:19	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:19	1
Copper	0.016	J	0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:19	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/03/14 17:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/03/14 17:19	1
Manganese	3.4		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:19	1
Nickel	0.019	J	0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:19	1
Selenium	0.025	J B	0.050	0.010	mg/L		09/03/14 08:15	09/03/14 17:19	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:19	1
Zinc	0.19		0.10	0.020	mg/L		09/03/14 08:15	09/03/14 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038	J	0.050	0.010	mg/L		09/03/14 08:45	09/03/14 18:36	1
Barium	0.71		0.50	0.050	mg/L		09/03/14 08:45	09/03/14 18:36	1
Beryllium	0.0050		0.0040	0.0040	mg/L		09/03/14 08:45	09/03/14 18:36	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		09/03/14 08:45	09/03/14 18:36	1
Chromium	0.15		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:36	1
Cobalt	0.034		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:36	1
Copper	0.15		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:36	1
Iron	140		0.20	0.20	mg/L		09/03/14 08:45	09/03/14 18:36	1
Lead	0.11		0.0075	0.0075	mg/L		09/03/14 08:45	09/03/14 18:36	1
Manganese	1.2		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:36	1
Nickel	0.14		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:36	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 08:45	09/03/14 18:36	1

Client Sample ID: RW-1(0-4)-082214
Date Collected: 08/22/14 12:25
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-3
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		09/03/14 08:45	09/03/14 18:36	1
Zinc	**0.75**		0.10	0.020	mg/L		09/03/14 08:45	09/03/14 18:36	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 17:30	09/05/14 03:06	1
Arsenic	**6.6**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Barium	**52**		0.54	0.058	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Beryllium	**0.64**		0.22	0.043	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Cadmium	**0.22**		0.11	0.014	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Calcium	**64000**		110	29	mg/Kg	☼	09/03/14 17:30	09/05/14 15:42	10
Chromium	**19**		0.54	0.062	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Cobalt	**12**		0.27	0.054	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Copper	**23**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Iron	**19000**		11	4.4	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Lead	**20**		0.27	0.080	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Magnesium	**24000**		5.4	1.1	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Manganese	**510**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Nickel	**29**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Potassium	**1700**		27	1.6	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Selenium	**0.42**	**J B**	0.54	0.19	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Sodium	**2700**		54	7.2	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Vanadium	**29**		0.27	0.040	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	1
Zinc	**80**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 17:30	09/05/14 03:06	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 10:31	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		09/03/14 11:25	09/04/14 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		19	7.5	ug/Kg	☼	09/02/14 15:00	09/03/14 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.47**		0.200	0.200	SU			08/27/14 18:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: RW-1(4-9)-082214
Date Collected: 08/22/14 12:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-4
Matrix: Solid
Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		08/26/14 19:14	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		08/26/14 19:14	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/26/14 19:14	1
Bromoform	<6.0	*	6.0	1.4	ug/Kg	☼		08/26/14 19:14	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		08/26/14 19:14	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		08/26/14 19:14	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		08/26/14 19:14	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		08/26/14 19:14	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		08/26/14 19:14	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		08/26/14 19:14	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		08/26/14 19:14	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		08/26/14 19:14	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		08/26/14 19:14	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/26/14 19:14	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		08/26/14 19:14	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		08/26/14 19:14	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		08/26/14 19:14	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		08/26/14 19:14	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		08/26/14 19:14	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		08/26/14 19:14	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		08/26/14 19:14	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		08/26/14 19:14	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		08/26/14 19:14	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		08/26/14 19:14	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		08/26/14 19:14	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		08/26/14 19:14	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/26/14 19:14	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		08/26/14 19:14	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		08/26/14 19:14	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		08/26/14 19:14	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		08/26/14 19:14	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/26/14 19:14	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		08/26/14 19:14	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		08/26/14 19:14	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		08/26/14 19:14	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/26/14 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/26/14 19:14*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/26/14 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/26/14 19:14*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/26/14 19:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo - WO 057

TestAmerica Job ID: 500-82879-1

Client Sample ID: RW-1(4-9)-082214
Date Collected: 08/22/14 12:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-4
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2,4-Dinitrophenol	<790	*	790	690	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Anthracene	<39		39	6.6	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Carbazole	<200		200	100	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Chrysene	<39		39	11	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Fluorene	<39		39	5.5	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Hexachlorocyclopentadiene	<790	*	790	230	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1

Client Sample ID: RW-1(4-9)-082214
Date Collected: 08/22/14 12:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-4
Matrix: Solid
Percent Solids: 83.9

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	<39		39	10	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Isophorone	<200		200	44	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Naphthalene	<39		39	6.1	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Phenol	<200		200	87	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1
Pyrene	<39		39	7.8	ug/Kg	☼	09/02/14 17:11	09/03/14 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 137*	*09/02/14 17:11*	*09/03/14 14:07*	*1*
2-Fluorobiphenyl	*46*		*25 - 119*	*09/02/14 17:11*	*09/03/14 14:07*	*1*
2-Fluorophenol	*43*		*25 - 110*	*09/02/14 17:11*	*09/03/14 14:07*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*09/02/14 17:11*	*09/03/14 14:07*	*1*
Phenol-d5	*44*		*31 - 110*	*09/02/14 17:11*	*09/03/14 14:07*	*1*
Terphenyl-d14	*75*		*36 - 134*	*09/02/14 17:11*	*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	09/03/14 17:24	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		09/03/14 08:15	09/03/14 17:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/03/14 17:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/03/14 17:24	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:24	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:24	1
Copper	**0.032**		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:24	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/03/14 17:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/03/14 17:24	1
Manganese	**2.1**		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:24	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:24	1
Selenium	**0.012**	**J B**	0.050	0.010	mg/L		09/03/14 08:15	09/03/14 17:24	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/03/14 17:24	1
Zinc	**0.19**		0.10	0.020	mg/L		09/03/14 08:15	09/03/14 17:24	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		09/03/14 08:45	09/03/14 18:41	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		09/03/14 08:45	09/03/14 18:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:45	09/03/14 18:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:45	09/03/14 18:41	1
Chromium	**0.036**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:41	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:41	1
Copper	**0.12**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:41	1
Iron	**24**		0.20	0.20	mg/L		09/03/14 08:45	09/03/14 18:41	1
Lead	**0.014**		0.0075	0.0075	mg/L		09/03/14 08:45	09/03/14 18:41	1
Manganese	**0.16**		0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:41	1
Nickel	**0.022**	**J**	0.025	0.010	mg/L		09/03/14 08:45	09/03/14 18:41	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 08:45	09/03/14 18:41	1

Client Sample ID: RW-1(4-9)-082214
Date Collected: 08/22/14 12:30
Date Received: 08/22/14 14:50

Lab Sample ID: 500-82879-4
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		09/03/14 08:45	09/03/14 18:41	1
Zinc	**0.30**		0.10	0.020	mg/L		09/03/14 08:45	09/03/14 18:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Arsenic	**1.9**		0.59	0.12	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Barium	**21**		0.59	0.063	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Beryllium	**0.24**		0.24	0.047	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Cadmium	**0.13**		0.12	0.015	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Calcium	**150000**		120	32	mg/Kg	☼	09/03/14 17:30	09/05/14 15:54	10
Chromium	**8.2**		0.59	0.068	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Cobalt	**4.2**		0.29	0.059	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Copper	**9.9**		0.59	0.12	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Iron	**7300**		12	4.8	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Lead	**4.8**		0.29	0.088	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Magnesium	**71000**		59	12	mg/Kg	☼	09/03/14 17:30	09/05/14 15:54	10
Manganese	**290**		0.59	0.12	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Nickel	**8.8**		0.59	0.12	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Potassium	**870**		29	1.8	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Sodium	**1000**		59	7.9	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Thallium	<0.59		0.59	0.25	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Vanadium	**13**		0.29	0.044	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1
Zinc	**32**	**B**	1.2	0.24	mg/Kg	☼	09/03/14 17:30	09/05/14 03:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 10:33	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		09/03/14 11:25	09/04/14 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	**18**	**J**	20	7.7	ug/Kg	☼	09/02/14 15:00	09/03/14 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			08/27/14 18:44	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

GC/MS Semi VOA

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

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 - Volo - WO 057

TestAmerica Job ID: 500-82879-1

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

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-82879 COC

Chain of Custody Record

Lab Job #: 500-82879

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: (2.7)

Report To (optional)		Bill To (optional)	
Contact:	Andris Slesers	Contact:	
Company:	Weston	Company:	
Address:	300 Plaza Circle #202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Slesers@WestonSolutions.com	PO#/Reference#	

Client	Client Project #	Preservative	7	7	7	7	7				
Weston Solutions		Parameter	VOCs	SVOCs	metals	TCLP/SPLP metals	pH				
Project Name: IDOT-Volo-WO 057											
Project Location/State: Volo, IL	Lab Project #: 500100031										
Sampler: Sena	Lab PM: Wright										

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. $NaHSO_4$
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Comments
1		AF-5(0-6)-082214	8-22-14	11:40	2	S	
2		AF-5(6-13)-082214		11:45			
3		RW-1(0-4)-082214		12:25			
4		RW-1(4-9)-082214		12:30			
5		AL-3(0-5)-082214		12:15			
6		AL-3(0-5)-082214D		12:15	2	S	
*		last item					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Allen	Weston	8-22-14	14:45		TA	8-22-14	1550 1450
	Weston	8-22-14	15:10		TA	8/22/14	1570
	TA	8/22/14	16:25		TA	8/23/14	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: