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 337: IL Rte 22 at Old Barrington Road Office Phone Number, if available: _____

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

112 Old Barrington Road

City: North Barrington 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: 42.190666324 (Decimal Degrees) Longitude: -88.151261439 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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

Project Name: FAP 337: IL Rte 22 at Old Barrington Road

Latitude: 42.190666324 Longitude: -88.151261439

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 RV-1 AND RV-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2356-2. 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: 500-63500-1.

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 Transporation

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:

11/21/14
Date:

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2356-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 337: Illinois Route 22 at Old Barrington Road
North Barrington and Unincorporated Lake County, Illinois

Field Sample ID	RV-1(0-3)-092313	RV-2(0-3)-092313	Soil Reference Concentrations[A]
Sample Date	9/23/2013	9/23/2013	
Location ID	RV-1	RV-2	
Depth	0 - 3	0 - 3	
Parameter			
Laboratory pH	8.39	8.35	<6.25, >9.0
VOCs (ug/kg)			
Acetone	220	110	25000
Methyl ethyl ketone	56	27	---
SVOCs (ug/kg)			
Benzo(b)fluoranthene	9.1 J	10 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	14 J	---
bis(2-Ethylhexyl)phthalate	58 J	68 J	46000
Total Metals (mg/kg)			
Aluminum, Total	9300 B	4400 B	---
Arsenic, Total	3.6	3	11.3 / 13
Barium, Total	60	28	1500
Beryllium, Total	0.5	0.25	22
Cadmium, Total	0.23 B	0.17 B	5.2
Calcium, Total	15000 B	15000 B	---
Chromium, Total	14	8.8	21
Cobalt, Total	5.5	3.3	20
Copper, Total	15	8.6	2900
Iron, Total	14000	9500	15000 / 15900
Lead, Total	20 B	8.1 B	107
Magnesium, Total	10000 B	8700 B	325000
Manganese, Total	140	110	630 / 636
Mercury, Total	0.022	0.054	0.89
Nickel, Total	17	8.5	100
Potassium, Total	820	370	---
Selenium, Total	0.38 J	0.26 J	1.3
Sodium, Total	2100	1200	---
Strontium, Total	11 J	9 J	---
Vanadium, Total	20	16	550
Zinc, Total	49 B	26 B	5100
TCLP Metals (mg/l)			
Barium, TCLP	1 B	0.97 B	2
Cobalt, TCLP	0.0066 J	0.013 J	1
Lead, TCLP	ND	0.0054 J	0.0075
Manganese, TCLP	2.4	4.2	0.15
Nickel, TCLP	ND	0.012 J	0.1
Selenium, TCLP	ND	0.01 J	0.05
Zinc, TCLP	0.59 B	0.61 B	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.033 J	0.018 J	0.05
Barium, SPLP	0.7	0.28 J	2
Beryllium, SPLP	0.0064	ND	0.004
Cadmium, SPLP	0.002 J	ND	0.005
Chromium, SPLP	0.16	0.068	0.1
Cobalt, SPLP	0.036	0.02 J	1
Copper, SPLP	0.12	0.068	0.65
Iron, SPLP	140	65	5
Lead, SPLP	0.11	0.066	0.0075
Manganese, SPLP	1.2	1	0.15
Mercury, SPLP	0.00019 J	ND	0.002
Nickel, SPLP	0.11	0.052	0.1
Zinc, SPLP	0.37	0.22	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

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: 500-63500-1
Client Project/Site: IDOT - North Barrington - 016

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
10/8/2013 2:09:56 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RV-2(0-3)-092313
Date Collected: 09/23/13 08:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-3
Matrix: Solid
Percent Solids: 82.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**110**		6.0	2.6	ug/Kg	☼		09/26/13 16:44	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		09/26/13 16:44	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/26/13 16:44	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		09/26/13 16:44	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		09/26/13 16:44	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		09/26/13 16:44	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		09/26/13 16:44	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		09/26/13 16:44	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 16:44	1
Chloroform	<6.0		6.0	0.70	ug/Kg	☼		09/26/13 16:44	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		09/26/13 16:44	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		09/26/13 16:44	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 16:44	1
Dibromochloromethane	<6.0		6.0	1.1	ug/Kg	☼		09/26/13 16:44	1
1,1-Dichloroethane	<6.0		6.0	0.96	ug/Kg	☼		09/26/13 16:44	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	☼		09/26/13 16:44	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	☼		09/26/13 16:44	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		09/26/13 16:44	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 16:44	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		09/26/13 16:44	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		09/26/13 16:44	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 16:44	1
Methyl Ethyl Ketone	**27**		6.0	2.2	ug/Kg	☼		09/26/13 16:44	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 16:44	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		09/26/13 16:44	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 16:44	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/26/13 16:44	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		09/26/13 16:44	1
Toluene	<6.0		6.0	0.85	ug/Kg	☼		09/26/13 16:44	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		09/26/13 16:44	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		09/26/13 16:44	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		09/26/13 16:44	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		09/26/13 16:44	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		09/26/13 16:44	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		09/26/13 16:44	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		09/26/13 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*09/26/13 16:44*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*09/26/13 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 134*		*09/26/13 16:44*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*09/26/13 16:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
1,2-Dichlorobenzene	<200		200	43	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
1,3-Dichlorobenzene	<200		200	41	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
1,4-Dichlorobenzene	<200		200	41	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2,2'-oxybis[1-chloropropane]	<200		200	43	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RV-2(0-3)-092313
Date Collected: 09/23/13 08:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-3
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	<390		390	110	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2,4,6-Trichlorophenol	<390		390	49	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2,4-Dichlorophenol	<390		390	120	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2,4-Dimethylphenol	<390		390	120	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2,4-Dinitrophenol	<790		790	200	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2,4-Dinitrotoluene	<200		200	60	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2,6-Dinitrotoluene	<200		200	46	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2-Chlorophenol	<200		200	56	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2-Methylnaphthalene	<200		200	51	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2-Methylphenol	<200		200	52	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2-Nitroaniline	<200		200	70	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
2-Nitrophenol	<390		390	61	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
3 & 4 Methylphenol	<200		200	74	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
3,3'-Dichlorobenzidine	<200		200	33	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
3-Nitroaniline	<390		390	75	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
4,6-Dinitro-2-methylphenol	<390		390	95	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
4-Bromophenyl phenyl ether	<200		200	44	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
4-Chloro-3-methylphenol	<390		390	190	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
4-Chlorophenyl phenyl ether	<200		200	61	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
4-Nitroaniline	<390		390	80	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
4-Nitrophenol	<790		790	210	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Acenaphthene	<39		39	12	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Acenaphthylene	<39		39	9.0	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Anthracene	<39		39	9.2	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Benzo[a]anthracene	<39		39	8.2	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Benzo[a]pyrene	<39		39	7.1	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Benzo[b]fluoranthene	**10**	**J**	39	7.6	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Benzo[g,h,i]perylene	**14**	**J**	39	13	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Benzo[k]fluoranthene	<39		39	9.3	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Bis(2-chloroethoxy)methane	<200		200	43	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Bis(2-ethylhexyl) phthalate	**68**	**J**	200	52	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Butyl benzyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Carbazole	<200		200	55	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Chrysene	<39		39	8.8	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Dibenz(a,h)anthracene	<39		39	11	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Diethyl phthalate	<200		200	65	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Dimethyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Di-n-butyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Di-n-octyl phthalate	<200		200	79	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Fluoranthene	<39		39	16	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Fluorene	<39		39	8.9	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Hexachlorobenzene	<79		79	7.7	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Hexachlorobutadiene	<200		200	51	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Hexachlorocyclopentadiene	<790		790	180	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Hexachloroethane	<200		200	42	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RV-2(0-3)-092313
Date Collected: 09/23/13 08:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-3
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	<39		39	13	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Isophorone	<200		200	43	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Naphthalene	<39		39	7.5	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Nitrobenzene	<39		39	12	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
N-Nitrosodiphenylamine	<200		200	53	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Pentachlorophenol	<790		790	200	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Phenanthrene	<39		39	16	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Phenol	<200		200	62	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1
Pyrene	<39		39	14	ug/Kg	☼	09/24/13 07:17	09/26/13 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*35 - 137*	*09/24/13 07:17*	*09/26/13 21:18*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*09/24/13 07:17*	*09/26/13 21:18*	*1*
2-Fluorophenol	*74*		*25 - 110*	*09/24/13 07:17*	*09/26/13 21:18*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*09/24/13 07:17*	*09/26/13 21:18*	*1*
Phenol-d5	*56*		*31 - 110*	*09/24/13 07:17*	*09/26/13 21:18*	*1*
Terphenyl-d14	*104*		*36 - 134*	*09/24/13 07:17*	*09/26/13 21:18*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 01:05	1
Barium	**0.97**	**B**	0.50	0.010	mg/L		10/02/13 10:30	10/04/13 01:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/02/13 10:30	10/04/13 01:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/02/13 10:30	10/04/13 01:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:05	1
Cobalt	**0.013**	**J**	0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 01:05	1
Copper	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:05	1
Iron	<0.20		0.20	0.20	mg/L		10/02/13 10:30	10/04/13 01:05	1
Lead	**0.0054**	**J**	0.0075	0.0050	mg/L		10/02/13 10:30	10/04/13 01:05	1
Manganese	**4.2**		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:05	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:05	1
Selenium	**0.010**	**J**	0.050	0.010	mg/L		10/02/13 10:30	10/04/13 01:05	1
Silver	<0.025		0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 01:05	1
Zinc	**0.61**	**B**	0.10	0.020	mg/L		10/02/13 10:30	10/04/13 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.018**	**J**	0.050	0.010	mg/L		10/01/13 10:00	10/05/13 15:51	1
Barium	**0.28**	**J**	0.50	0.010	mg/L		10/01/13 10:00	10/05/13 15:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/01/13 10:00	10/05/13 15:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/01/13 10:00	10/05/13 15:51	1
Chromium	**0.068**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 15:51	1
Cobalt	**0.020**	**J**	0.025	0.0050	mg/L		10/01/13 10:00	10/05/13 15:51	1
Copper	**0.068**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 15:51	1
Iron	**65**		0.20	0.20	mg/L		10/01/13 10:00	10/05/13 15:51	1
Lead	**0.066**		0.0075	0.0050	mg/L		10/01/13 10:00	10/05/13 15:51	1
Manganese	**1.0**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 15:51	1
Nickel	**0.052**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 15:51	1
Selenium	<0.050		0.050	0.010	mg/L		10/01/13 10:00	10/05/13 15:51	1

Client Sample ID: RV-2(0-3)-092313
Date Collected: 09/23/13 08:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-3
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	0.0050	mg/L		10/01/13 10:00	10/05/13 15:51	1
Zinc	**0.22**		0.10	0.020	mg/L		10/01/13 10:00	10/05/13 15:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4400**	**B**	12	1.1	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Antimony	<1.2		1.2	0.48	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Arsenic	**3.0**		0.60	0.12	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Barium	**28**		0.60	0.064	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Beryllium	**0.25**		0.24	0.021	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Cadmium	**0.17**	**B**	0.12	0.015	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Calcium	**15000**	**B**	12	3.2	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Chromium	**8.8**		0.60	0.069	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Cobalt	**3.3**		0.30	0.021	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Copper	**8.6**		0.60	0.053	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Iron	**9500**		12	4.9	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Lead	**8.1**	**B**	0.30	0.089	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Magnesium	**8700**	**B**	6.0	1.2	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Manganese	**110**		0.60	0.032	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Nickel	**8.5**		0.60	0.058	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Potassium	**370**		30	1.8	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Selenium	**0.26**	**J**	0.60	0.21	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Sodium	**1200**		60	8.0	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Strontium	**9.0**	**B ^**	0.30	0.012	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Thallium	<0.60		0.60	0.25	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Vanadium	**16**		0.30	0.044	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1
Zinc	**26**	**B**	1.2	0.24	mg/Kg	☼	09/24/13 09:45	09/29/13 14:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/02/13 15:25	10/03/13 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**	**J B**	0.20	0.020	ug/L		10/01/13 16:00	10/02/13 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**54**		19	9.1	ug/Kg	☼	09/24/13 15:45	09/25/13 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.35**		0.200	0.200	SU			10/01/13 13:21	1

Client Sample ID: RV-1(0-3)-092313
Date Collected: 09/23/13 09:00
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-4
Matrix: Solid
Percent Solids: 81.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**220**		6.1	2.6	ug/Kg	☼		09/26/13 17:06	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		09/26/13 17:06	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		09/26/13 17:06	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		09/26/13 17:06	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	☼		09/26/13 17:06	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	☼		09/26/13 17:06	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		09/26/13 17:06	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		09/26/13 17:06	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		09/26/13 17:06	1
Chloroform	<6.1		6.1	0.71	ug/Kg	☼		09/26/13 17:06	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		09/26/13 17:06	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		09/26/13 17:06	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		09/26/13 17:06	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		09/26/13 17:06	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		09/26/13 17:06	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		09/26/13 17:06	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		09/26/13 17:06	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		09/26/13 17:06	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		09/26/13 17:06	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		09/26/13 17:06	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		09/26/13 17:06	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		09/26/13 17:06	1
Methyl Ethyl Ketone	**56**		6.1	2.2	ug/Kg	☼		09/26/13 17:06	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		09/26/13 17:06	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		09/26/13 17:06	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		09/26/13 17:06	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/26/13 17:06	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		09/26/13 17:06	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		09/26/13 17:06	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		09/26/13 17:06	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		09/26/13 17:06	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	☼		09/26/13 17:06	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	☼		09/26/13 17:06	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		09/26/13 17:06	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		09/26/13 17:06	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		09/26/13 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*09/26/13 17:06*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*09/26/13 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 134*		*09/26/13 17:06*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*09/26/13 17:06*	*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	46	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
1,2-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
1,3-Dichlorobenzene	<200		200	42	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
1,4-Dichlorobenzene	<200		200	42	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RV-1(0-3)-092313
Date Collected: 09/23/13 09:00
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-4
Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	120	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2,4,6-Trichlorophenol	<400		400	51	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2,4-Dichlorophenol	<400		400	120	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2,4-Dimethylphenol	<400		400	130	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2,4-Dinitrophenol	<810		810	210	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2,6-Dinitrotoluene	<200		200	48	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2-Chlorophenol	<200		200	58	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2-Methylnaphthalene	<200		200	52	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2-Methylphenol	<200		200	53	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2-Nitroaniline	<200		200	73	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
2-Nitrophenol	<400		400	63	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
3 & 4 Methylphenol	<200		200	76	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
3,3'-Dichlorobenzidine	<200		200	34	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
3-Nitroaniline	<400		400	78	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
4,6-Dinitro-2-methylphenol	<400		400	98	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
4-Bromophenyl phenyl ether	<200		200	45	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
4-Chloro-3-methylphenol	<400		400	190	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
4-Chloroaniline	<810		810	120	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
4-Chlorophenyl phenyl ether	<200		200	63	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
4-Nitroaniline	<400		400	83	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
4-Nitrophenol	<810		810	220	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Acenaphthene	<40		40	12	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Acenaphthylene	<40		40	9.3	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Anthracene	<40		40	9.5	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Benzo[a]anthracene	<40		40	8.4	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Benzo[a]pyrene	<40		40	7.3	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Benzo[b]fluoranthene	**9.1**	**J**	40	7.8	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Benzo[g,h,i]perylene	<40		40	14	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Benzo[k]fluoranthene	<40		40	9.6	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Bis(2-chloroethoxy)methane	<200		200	45	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Bis(2-ethylhexyl) phthalate	**58**	**J**	200	53	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Butyl benzyl phthalate	<200		200	50	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Carbazole	<200		200	57	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Chrysene	<40		40	9.1	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Dibenz(a,h)anthracene	<40		40	11	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Dibenzofuran	<200		200	48	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Dimethyl phthalate	<200		200	50	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Di-n-butyl phthalate	<200		200	51	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Di-n-octyl phthalate	<200		200	82	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Fluoranthene	<40		40	16	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Fluorene	<40		40	9.2	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Hexachlorobenzene	<81		81	7.9	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Hexachlorobutadiene	<200		200	53	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Hexachlorocyclopentadiene	<810		810	190	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Hexachloroethane	<200		200	43	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RV-1(0-3)-092313
Date Collected: 09/23/13 09:00
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-4
Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	14	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Isophorone	<200		200	45	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Naphthalene	<40		40	7.8	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Nitrobenzene	<40		40	12	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
N-Nitrosodi-n-propylamine	<200		200	51	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
N-Nitrosodiphenylamine	<200		200	54	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Pentachlorophenol	<810		810	200	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Phenanthrene	<40		40	17	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Phenol	<200		200	64	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1
Pyrene	<40		40	15	ug/Kg	☼	09/24/13 07:17	09/26/13 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*35 - 137*	*09/24/13 07:17*	*09/26/13 21:38*	*1*
2-Fluorobiphenyl	*44*		*25 - 119*	*09/24/13 07:17*	*09/26/13 21:38*	*1*
2-Fluorophenol	*57*		*25 - 110*	*09/24/13 07:17*	*09/26/13 21:38*	*1*
Nitrobenzene-d5	*42*		*25 - 115*	*09/24/13 07:17*	*09/26/13 21:38*	*1*
Phenol-d5	*42*		*31 - 110*	*09/24/13 07:17*	*09/26/13 21:38*	*1*
Terphenyl-d14	*88*		*36 - 134*	*09/24/13 07:17*	*09/26/13 21:38*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 01:12	1
Barium	**1.0**	**B**	0.50	0.010	mg/L		10/02/13 10:30	10/04/13 01:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/02/13 10:30	10/04/13 01:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/02/13 10:30	10/04/13 01:12	1
Chromium	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:12	1
Cobalt	**0.0066**	**J**	0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 01:12	1
Copper	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:12	1
Iron	<0.20		0.20	0.20	mg/L		10/02/13 10:30	10/04/13 01:12	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/02/13 10:30	10/04/13 01:12	1
Manganese	**2.4**		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:12	1
Nickel	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:12	1
Selenium	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 01:12	1
Silver	<0.025		0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 01:12	1
Zinc	**0.59**	**B**	0.10	0.020	mg/L		10/02/13 10:30	10/04/13 01:12	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		10/01/13 10:00	10/05/13 15:57	1
Barium	**0.70**		0.50	0.010	mg/L		10/01/13 10:00	10/05/13 15:57	1
Beryllium	**0.0064**		0.0040	0.0040	mg/L		10/01/13 10:00	10/05/13 15:57	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		10/01/13 10:00	10/05/13 15:57	1
Chromium	**0.16**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 15:57	1
Cobalt	**0.036**		0.025	0.0050	mg/L		10/01/13 10:00	10/05/13 15:57	1
Copper	**0.12**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 15:57	1
Iron	**140**		0.20	0.20	mg/L		10/01/13 10:00	10/05/13 15:57	1
Lead	**0.11**		0.0075	0.0050	mg/L		10/01/13 10:00	10/05/13 15:57	1
Manganese	**1.2**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 15:57	1
Nickel	**0.11**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 15:57	1
Selenium	<0.050		0.050	0.010	mg/L		10/01/13 10:00	10/05/13 15:57	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RV-1(0-3)-092313
Date Collected: 09/23/13 09:00
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-4
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	0.0050	mg/L		10/01/13 10:00	10/05/13 15:57	1
Zinc	**0.37**		0.10	0.020	mg/L		10/01/13 10:00	10/05/13 15:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**	**B**	12	1.1	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Arsenic	**3.6**		0.59	0.12	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Barium	**60**		0.59	0.063	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Beryllium	**0.50**		0.23	0.021	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Cadmium	**0.23**	**B**	0.12	0.015	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Calcium	**15000**	**B**	12	3.2	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Chromium	**14**		0.59	0.068	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Cobalt	**5.5**		0.29	0.021	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Copper	**15**		0.59	0.052	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Iron	**14000**		12	4.8	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Lead	**20**	**B**	0.29	0.087	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Magnesium	**10000**	**B**	5.9	1.2	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Manganese	**140**		0.59	0.032	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Nickel	**17**		0.59	0.057	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Potassium	**820**		29	1.8	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Selenium	**0.38**	**J**	0.59	0.21	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Sodium	**2100**		59	7.8	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Strontium	**11**	**B ^**	0.29	0.012	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Thallium	<0.59		0.59	0.25	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Vanadium	**20**		0.29	0.043	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1
Zinc	**49**	**B**	1.2	0.24	mg/Kg	☼	09/24/13 09:45	09/29/13 14:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/02/13 15:25	10/03/13 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**	**J B**	0.20	0.020	ug/L		10/01/13 16:00	10/02/13 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		20	9.6	ug/Kg	☼	09/24/13 15:45	09/25/13 13:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.39**		0.200	0.200	SU			10/01/13 13:25	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	10-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-63500 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct, Ste500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-63500

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 4.5

Client: Weston | Client Project #:

Project Name: IDOT - 016

Project Location/State: North Barrington, IL | Lab Project #:

Sampler: Dan Cukierski | Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH					Comments
1		RV-3(0-3)-092313	9/23/13	0825	2	S	X	X	X	X	X					
2		RV-3(0-3)-092313D	9/23/13	0825	2	S	X	X	X	X	X					
3		RV-2(0-3)-092313	9/23/13	0845	2	S	X	X	X	X	X					
4		RV-1(0-3)-092313	9/23/13	0900	2	S	X	X	X	X	X					
5		RE3-2(0-4)-092313	9/23/13	0920	2	S	X	X	X	X	X					
6		RE3-2(4-8)-092313	9/23/13	0925	2	S	X	X	X	X	X					
7		RE3-1(0-4)-092313	9/23/13	0945	2	S	X	X	X	X	X					
8		RE3-1(4-8)-092313	9/23/13	0950	2	S	X	X	X	X	X					
9		RE4-4(0-4)-092313	9/23/13	1020	2	S	X	X	X	X	X					
10		RE4-4(4-8)-092313	9/23/13	1030	2	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	9/23/13	1445		TA	9/23/13	1445
	TA	9/23/13	1605		TA	9/24/13	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct, Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-63500
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-016
Project Location/State: North Barrington, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	Hg					Comments
11		RE9-5(0-4)-092313	9/23/13	1055	2	5	X	X	X	X	X					
12		RE9-5(4-8)-092313	9/23/13	1100	2	5	X	X	X	X	X					
13		WL-2(0-4)-092313	9/23/13	1120	2	5	X	X	X	X	X					
14		WL-1(0-4)-092313	9/23/13	1135	2	5	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	9/23/13	1445		TA	9/23/13	1445
	TA	9/23/13	1605		TA	9/24/13	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 337: IL Rte 22 at Old Barrington Road Office Phone Number, if available: _____

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

104 Cherry Hill Rd, 22544 N. Cherry Hill Rd, 22446 N. Old Barrington Rd, and 26627 W IL Rte 22, Unincorporated Lake County

City: North Barrington 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: 42.190623072 (Decimal Degrees) Longitude: -88.152097966 (-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 337: IL Rte 22 at Old Barrington Road

Latitude: 42.190623072 Longitude: -88.152097966

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 RE3-4, RE3-6, AND RE3-7 WERE SAMPLED ADJACENT TO ISGS SITE No. 2356-3. 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: 500-63498-1.

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 Transporation

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:

11/21/14
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2356-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 337: Illinois Route 22 at Old Barrington Road
North Barrington and Unincorporated Lake County, Illinois

Field Sample ID	RE3-4(0-4)-092313	RE3-4(4-8)-092313	RE3-6(0-4)-092313	RE3-6(4-8)-092313	RE3-7(0-4)-092313	RE3-7(4-8)-092313	RE3-7(4-8)-092313D	Soil Reference Concentrations[A]
Sample Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	
Location ID	RE3-4	RE3-4	RE3-6	RE3-6	RE3-7	RE3-7	RE3-7	
Depth	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	4 - 8	
Parameter								
Laboratory pH	8.97	8.5	8.87	8.6	8.31	7.88	8.07	<6.25, >9.0
VOCs (ug/kg)								
Acetone	ND	ND	ND	ND	58	6.8 J-	8.6	25000
Methyl ethyl ketone	ND	ND	ND	ND	13	ND	ND	---
SVOCs (ug/kg)								
Benzo(a)anthracene	26 J	ND	38 J	ND	ND	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	23 J	ND	38 J	ND	7.7 J	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	42	ND	61	ND	7.6 J	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	19 J	ND	46	ND	ND	ND	ND	---
Benzo(k)fluoranthene	13 J	ND	22 J	ND	ND	ND	ND	9000
bis(2-Ethylhexyl)phthalate	ND	ND	56 J	ND	ND	ND	ND	46000
Chrysene	39	ND	47	ND	ND	ND	ND	88000
Dibenzo(a,h)anthracene	ND	ND	14 J	ND	ND	ND	ND	90 / 200 / 420
Fluoranthene	43	ND	66	ND	ND	ND	ND	3100000
Indeno(1,2,3-cd)pyrene	15 J	ND	30 J	ND	ND	ND	ND	900 / 900 / 1600
Phenanthrene	53	ND	26 J	ND	ND	ND	ND	---
Pyrene	55	ND	67	ND	ND	ND	ND	2300000
Total Metals (mg/kg)								
Aluminum, Total	6600 B	7400 B	6400 B	4000 B	7100 B	8600 B	8600 B	---
Arsenic, Total	6.2	8.4	4.3	2.3	5.7	5	7.6	11.3 / 13
Barium, Total	58 B	42 B	36 B	120 B	71 B	51 B	59 B	1500
Beryllium, Total	0.47	0.5	0.46	0.34	0.49	0.55	0.56	22
Cadmium, Total	0.51	0.61	0.41	0.27	0.69	0.68	0.77	5.2
Calcium, Total	39000 B	57000 B	22000 B	55000 B	88000 B	56000 B	53000 B	---
Chromium, Total	10 B	12 B	9.2 B	8.3 B	10 B	14 B	14 B	21
Cobalt, Total	5.2	7.6	4.1	4.8	5.5	8.1	10	20
Copper, Total	15	21	12	8.2	16	19	25	2900
Iron, Total	14000	16000	12000	6800	16000	19000	21000	15000 / 15900
Lead, Total	20 B	10 B	22 B	5.8 B	13 B	9.6 B	11 B	107
Magnesium, Total	22000 B	29000 B	13000 B	34000 B	39000 B	27000 B	25000 B	325000
Manganese, Total	470 B	380 B	270 B	810 B	390 B	350 B	430 B	630 / 636
Mercury, Total	ND	0.023	0.028	0.023	0.019	0.02	0.016 J	0.89
Nickel, Total	12 B	18 B	10 B	9.6 B	14 B	21 B	24 B	100
Potassium, Total	930	1900	940	680	1500	2200	2000	---
Sodium, Total	2100	1000	1700	800	2700	1200	1200	---
Strontium, Total	20 B	30 B	16 J	19 J	29 J	28 J	28 J	---
Vanadium, Total	17	18	15	11	16	18	19	550
Zinc, Total	36 B	40 B	34 B	20 B	34 B	34 B	38 B	5100

Summary Table of ISGS Site No. 2356-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 337: Illinois Route 22 at Old Barrington Road
North Barrington and Unincorporated Lake County, Illinois

Field Sample ID	RE3-4(0-4)-092313	RE3-4(4-8)-092313	RE3-6(0-4)-092313	RE3-6(4-8)-092313	RE3-7(0-4)-092313	RE3-7(4-8)-092313	RE3-7(4-8)-092313D	Soil Reference Concentrations[A]
Sample Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	
Location ID	RE3-4	RE3-4	RE3-6	RE3-6	RE3-7	RE3-7	RE3-7	
Depth	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	4 - 8	
Parameter								
TCLP Metals (mg/l)								
Barium, TCLP	1.1 B	1 B	0.92 B	0.87 B	1.2 B	1.6 B	1.3 B	2
Cadmium, TCLP	0.0025 J	0.0024 J	ND	0.0022 J	ND	0.0029 J	0.002 J	0.005
Cobalt, TCLP	0.018 J	ND	ND	ND	0.028	0.0087 J	0.0062 J	1
Copper, TCLP	0.011 J	0.01 J	ND	ND	0.015 J	0.016 J	ND	0.65
Iron, TCLP	0.62	ND	ND	ND	0.61	ND	0.22	5
Lead, TCLP	0.0088	ND	ND	ND	0.01	0.0051 J	0.0064 J	0.0075
Manganese, TCLP	6.9	0.67	0.043	0.97	5.5	4.3	3.4	0.15
Nickel, TCLP	0.012 J	ND	ND	0.011 J	0.028	ND	ND	0.1
Zinc, TCLP	0.66 B	0.54 B	0.6 B	0.56 B	0.71 B	0.6 B	0.53 B	5
SPLP Metals (mg/l)								
Arsenic, SPLP	0.022 J	0.023 J	0.015 J	ND	0.021 J	0.013 J	ND	0.05
Barium, SPLP	1.2 B	1.2 B	1.3 B	1 B	1.5 B	1.4 B	1.5 B	2
Cadmium, SPLP	0.0027 J	0.002 J	0.0027 J	ND	0.0023 J	ND	0.0022 J	0.005
Chromium, SPLP	0.095	0.084	0.096	0.012 J	0.089	0.079	0.086	0.1
Cobalt, SPLP	0.024 J	0.018 J	0.027	ND	0.03	0.039	0.044	1
Copper, SPLP	0.11	0.11	0.092	0.018 J	0.1	0.089	0.091	0.65
Iron, SPLP	93	78	88	3.9	100	82	80	5
Lead, SPLP	0.1	0.038	0.17	ND	0.089	0.05	0.046	0.0075
Manganese, SPLP	0.88	0.33	0.96	0.062	1	0.94	1.3	0.15
Mercury, SPLP	0.00013 J	0.000088 J	0.00011 J	ND	0.000088 J	0.000043 J	0.000061 J	0.002
Nickel, SPLP	0.085	0.085	0.086	ND	0.092	0.099	0.11	0.1
Zinc, SPLP	1.3 B	1.4 B	1.6 B	0.97 B	1.4 B	1.2 B	1.1 B	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J- - Estimated concentration, biased 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: 500-63498-1
Client Project/Site: IDOT - North Barrington - 016

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
10/9/2013 3:43:22 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-4(0-4)-092313
Date Collected: 09/23/13 09:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-10
Matrix: Solid
Percent Solids: 89.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	☼		09/26/13 19:23	1
Benzene	<5.6		5.6	0.77	ug/Kg	☼		09/26/13 19:23	1
Bromodichloromethane	<5.6		5.6	0.97	ug/Kg	☼		09/26/13 19:23	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		09/26/13 19:23	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		09/26/13 19:23	1
Carbon disulfide	<5.6		5.6	0.84	ug/Kg	☼		09/26/13 19:23	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		09/26/13 19:23	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		09/26/13 19:23	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		09/26/13 19:23	1
Chloroform	<5.6		5.6	0.65	ug/Kg	☼		09/26/13 19:23	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		09/26/13 19:23	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		09/26/13 19:23	1
cis-1,3-Dichloropropene	<5.6		5.6	0.74	ug/Kg	☼		09/26/13 19:23	1
Dibromochloromethane	<5.6		5.6	0.98	ug/Kg	☼		09/26/13 19:23	1
1,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg	☼		09/26/13 19:23	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		09/26/13 19:23	1
1,1-Dichloroethene	<5.6		5.6	0.91	ug/Kg	☼		09/26/13 19:23	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		09/26/13 19:23	1
1,3-Dichloropropene, Total	<5.6		5.6	0.74	ug/Kg	☼		09/26/13 19:23	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		09/26/13 19:23	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		09/26/13 19:23	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		09/26/13 19:23	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		09/26/13 19:23	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		09/26/13 19:23	1
Methyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg	☼		09/26/13 19:23	1
Styrene	<5.6		5.6	0.74	ug/Kg	☼		09/26/13 19:23	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		09/26/13 19:23	1
Tetrachloroethene	<5.6		5.6	0.86	ug/Kg	☼		09/26/13 19:23	1
Toluene	<5.6		5.6	0.79	ug/Kg	☼		09/26/13 19:23	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		09/26/13 19:23	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		09/26/13 19:23	1
1,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg	☼		09/26/13 19:23	1
1,1,2-Trichloroethane	<5.6		5.6	0.77	ug/Kg	☼		09/26/13 19:23	1
Trichloroethene	<5.6		5.6	0.93	ug/Kg	☼		09/26/13 19:23	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		09/26/13 19:23	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		09/26/13 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*	*X*	*70 - 122*		*09/26/13 19:23*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*09/26/13 19:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 134*		*09/26/13 19:23*	*1*
Toluene-d8 (Surr)	*104*		*75 - 122*		*09/26/13 19:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
1,2-Dichlorobenzene	<180		180	38	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
1,3-Dichlorobenzene	<180		180	37	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
1,4-Dichlorobenzene	<180		180	37	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2,2'-oxybis[1-chloropropane]	<180		180	39	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-4(0-4)-092313
Date Collected: 09/23/13 09:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-10
Matrix: Solid
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	100	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2,4,6-Trichlorophenol	<350		350	44	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2,4-Dichlorophenol	<350		350	110	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2,4-Dimethylphenol	<350		350	110	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2,4-Dinitrophenol	<710		710	180	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2,4-Dinitrotoluene	<180		180	54	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2,6-Dinitrotoluene	<180		180	42	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2-Chlorophenol	<180		180	50	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2-Methylnaphthalene	<180		180	46	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2-Methylphenol	<180		180	47	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2-Nitroaniline	<180		180	63	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
2-Nitrophenol	<350		350	55	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
3 & 4 Methylphenol	<180		180	67	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
3,3'-Dichlorobenzidine	<180		180	29	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
3-Nitroaniline	<350		350	68	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
4,6-Dinitro-2-methylphenol	<350		350	85	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
4-Bromophenyl phenyl ether	<180		180	39	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
4-Chloro-3-methylphenol	<350		350	170	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
4-Chloroaniline	<710		710	110	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
4-Chlorophenyl phenyl ether	<180		180	55	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
4-Nitroaniline	<350		350	72	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
4-Nitrophenol	<710		710	190	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Acenaphthene	<35		35	11	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Acenaphthylene	<35		35	8.1	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Anthracene	<35		35	8.3	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Benzo[a]anthracene	**26**	**J**	35	7.4	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Benzo[a]pyrene	**23**	**J**	35	6.4	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Benzo[b]fluoranthene	**42**		35	6.8	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Benzo[g,h,i]perylene	**19**	**J**	35	12	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Benzo[k]fluoranthene	**13**	**J**	35	8.4	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Bis(2-chloroethoxy)methane	<180		180	39	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Bis(2-ethylhexyl) phthalate	<180		180	47	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Butyl benzyl phthalate	<180		180	44	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Carbazole	<180		180	49	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Chrysene	**39**		35	7.9	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Dibenz(a,h)anthracene	<35		35	9.8	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Dimethyl phthalate	<180		180	44	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Di-n-butyl phthalate	<180		180	44	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Di-n-octyl phthalate	<180		180	71	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Fluoranthene	**43**		35	14	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Fluorene	<35		35	8.0	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Hexachlorobenzene	<71		71	6.9	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Hexachlorobutadiene	<180		180	46	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Hexachlorocyclopentadiene	<710		710	160	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Hexachloroethane	<180		180	37	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-4(0-4)-092313
Date Collected: 09/23/13 09:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-10
Matrix: Solid
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	15	J	35	12	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Isophorone	<180		180	39	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Naphthalene	<35		35	6.8	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Nitrobenzene	<35		35	11	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
N-Nitrosodiphenylamine	<180		180	48	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Pentachlorophenol	<710		710	180	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Phenanthrene	53		35	15	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Phenol	<180		180	56	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1
Pyrene	55		35	13	ug/Kg	☼	09/24/13 07:11	09/30/13 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*09/24/13 07:11*	*09/30/13 20:33*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*09/24/13 07:11*	*09/30/13 20:33*	*1*
2-Fluorophenol	*51*		*25 - 110*	*09/24/13 07:11*	*09/30/13 20:33*	*1*
Nitrobenzene-d5	*42*		*25 - 115*	*09/24/13 07:11*	*09/30/13 20:33*	*1*
Phenol-d5	*59*		*31 - 110*	*09/24/13 07:11*	*09/30/13 20:33*	*1*
Terphenyl-d14	*84*		*36 - 134*	*09/24/13 07:11*	*09/30/13 20:33*	*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		09/30/13 07:45	10/04/13 21:41	1
Barium	1.1	B	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 21:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 21:41	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 21:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:41	1
Cobalt	0.018	J	0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 21:41	1
Copper	0.011	J	0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:41	1
Iron	0.62		0.20	0.20	mg/L		10/07/13 15:00	10/08/13 12:55	1
Lead	0.0088		0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 21:41	1
Manganese	6.9		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:41	1
Nickel	0.012	J	0.025	0.010	mg/L		09/30/13 07:45	10/05/13 14:07	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 21:41	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 21:41	1
Zinc	0.66	B	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 21:41	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		09/30/13 07:45	10/01/13 12:58	1
Barium	1.2	B	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 12:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 12:58	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 12:58	1
Chromium	0.095		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:58	1
Cobalt	0.024	J	0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 12:58	1
Copper	0.11		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:58	1
Iron	93		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 12:58	1
Lead	0.10		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 12:58	1
Manganese	0.88		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:58	1
Nickel	0.085		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:58	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 12:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-4(0-4)-092313
Date Collected: 09/23/13 09:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-10
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	0.0050	mg/L		09/30/13 07:45	10/01/13 12:58	1
Zinc	**1.3**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 12:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**	**B**	11	1.0	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Arsenic	**6.2**		0.55	0.11	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Barium	**58**	**B**	0.55	0.059	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Beryllium	**0.47**		0.22	0.019	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Cadmium	**0.51**		0.11	0.014	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Calcium	**39000**	**B**	11	3.0	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Chromium	**10**	**B**	0.55	0.064	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Cobalt	**5.2**		0.27	0.020	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Copper	**15**		0.55	0.049	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Iron	**14000**		11	4.5	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Lead	**20**	**B**	0.27	0.082	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Magnesium	**22000**	**B**	5.5	1.1	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Manganese	**470**	**B**	0.55	0.030	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Nickel	**12**	**B**	0.55	0.054	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Potassium	**930**		27	1.7	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Sodium	**2100**		55	7.4	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Strontium	**20**	**B**	0.27	0.011	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Thallium	<0.55		0.55	0.23	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Vanadium	**17**		0.27	0.041	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1
Zinc	**36**	**B**	1.1	0.22	mg/Kg	☼	09/24/13 08:56	10/05/13 00:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**	**J**	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:34	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		19	8.8	ug/Kg	☼	09/24/13 15:45	09/25/13 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.97**		0.200	0.200	SU			10/01/13 11:42	1

Client Sample ID: RE3-4(4-8)-092313
Date Collected: 09/23/13 09:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-11
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		09/25/13 16:55	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		09/25/13 16:55	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/25/13 16:55	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		09/25/13 16:55	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		09/25/13 16:55	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		09/25/13 16:55	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		09/25/13 16:55	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		09/25/13 16:55	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		09/25/13 16:55	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		09/25/13 16:55	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		09/25/13 16:55	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		09/25/13 16:55	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		09/25/13 16:55	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/25/13 16:55	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		09/25/13 16:55	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		09/25/13 16:55	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		09/25/13 16:55	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		09/25/13 16:55	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		09/25/13 16:55	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		09/25/13 16:55	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		09/25/13 16:55	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		09/25/13 16:55	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		09/25/13 16:55	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		09/25/13 16:55	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		09/25/13 16:55	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		09/25/13 16:55	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/25/13 16:55	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		09/25/13 16:55	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		09/25/13 16:55	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		09/25/13 16:55	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		09/25/13 16:55	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		09/25/13 16:55	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		09/25/13 16:55	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		09/25/13 16:55	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		09/25/13 16:55	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		09/25/13 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*09/25/13 16:55*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*09/25/13 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 134*		*09/25/13 16:55*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*09/25/13 16:55*	*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	44	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
1,2-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
1,3-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
1,4-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-4(4-8)-092313
Date Collected: 09/23/13 09:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-11
Matrix: Solid
Percent Solids: 83.5

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	110	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2,4,6-Trichlorophenol	<380		380	48	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2,4-Dichlorophenol	<380		380	120	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2,4-Dimethylphenol	<380		380	120	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2,4-Dinitrophenol	<780		780	200	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2,6-Dinitrotoluene	<190		190	46	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2-Chlorophenol	<190		190	55	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2-Methylnaphthalene	<190		190	50	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2-Methylphenol	<190		190	51	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2-Nitroaniline	<190		190	69	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
2-Nitrophenol	<380		380	60	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
3 & 4 Methylphenol	<190		190	73	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
3,3'-Dichlorobenzidine	<190		190	32	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
3-Nitroaniline	<380		380	74	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
4,6-Dinitro-2-methylphenol	<380		380	94	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
4-Bromophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
4-Chloro-3-methylphenol	<380		380	180	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
4-Chloroaniline	<780		780	120	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
4-Chlorophenyl phenyl ether	<190		190	61	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
4-Nitroaniline	<380		380	79	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
4-Nitrophenol	<780		780	210	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Acenaphthene	<38		38	12	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Acenaphthylene	<38		38	8.9	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Anthracene	<38		38	9.1	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Benzo[a]anthracene	<38		38	8.1	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Benzo[a]pyrene	<38		38	7.0	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Benzo[b]fluoranthene	<38		38	7.5	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Benzo[g,h,i]perylene	<38		38	13	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Benzo[k]fluoranthene	<38		38	9.2	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Bis(2-chloroethoxy)methane	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Bis(2-ethylhexyl) phthalate	<190		190	51	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Butyl benzyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Carbazole	<190		190	54	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Chrysene	<38		38	8.7	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Dibenz(a,h)anthracene	<38		38	11	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Dibenzofuran	<190		190	46	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Di-n-butyl phthalate	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Di-n-octyl phthalate	<190		190	78	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Fluoranthene	<38		38	16	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Fluorene	<38		38	8.8	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Hexachlorobenzene	<78		78	7.6	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Hexachlorobutadiene	<190		190	50	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Hexachlorocyclopentadiene	<780		780	180	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Hexachloroethane	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-4(4-8)-092313
Date Collected: 09/23/13 09:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-11
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	13	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Isophorone	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Naphthalene	<38		38	7.4	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Nitrobenzene	<38		38	12	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
N-Nitrosodi-n-propylamine	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
N-Nitrosodiphenylamine	<190		190	52	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Pentachlorophenol	<780		780	200	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Phenanthrene	<38		38	16	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Phenol	<190		190	61	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1
Pyrene	<38		38	14	ug/Kg	☼	09/24/13 07:11	09/30/13 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*35 - 137*	*09/24/13 07:11*	*09/30/13 20:53*	*1*
2-Fluorobiphenyl	*69*		*25 - 119*	*09/24/13 07:11*	*09/30/13 20:53*	*1*
2-Fluorophenol	*69*		*25 - 110*	*09/24/13 07:11*	*09/30/13 20:53*	*1*
Nitrobenzene-d5	*60*		*25 - 115*	*09/24/13 07:11*	*09/30/13 20:53*	*1*
Phenol-d5	*73*		*31 - 110*	*09/24/13 07:11*	*09/30/13 20:53*	*1*
Terphenyl-d14	*105*		*36 - 134*	*09/24/13 07:11*	*09/30/13 20:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 21:46	1
Barium	**1.0**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 21:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 21:46	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 21:46	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:46	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 21:46	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:46	1
Iron	<0.20		0.20	0.20	mg/L		09/30/13 07:45	10/04/13 21:46	1
Lead	<0.0075		0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 21:46	1
Manganese	**0.67**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:46	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/05/13 14:14	1
Selenium	**0.012**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 21:46	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 21:46	1
Zinc	**0.54**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.023**	**J**	0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:02	1
Barium	**1.2**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 13:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 13:02	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 13:02	1
Chromium	**0.084**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:02	1
Cobalt	**0.018**	**J**	0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 13:02	1
Copper	**0.11**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:02	1
Iron	**78**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 13:02	1
Lead	**0.038**		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 13:02	1
Manganese	**0.33**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:02	1
Nickel	**0.085**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:02	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-4(4-8)-092313
Date Collected: 09/23/13 09:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 13:02	1
Zinc	1.4	B	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 13:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400	B	12	1.1	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Arsenic	8.4		0.58	0.12	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Barium	42	B	0.58	0.062	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Beryllium	0.50		0.23	0.020	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Cadmium	0.61		0.12	0.015	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Calcium	57000	B	12	3.1	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Chromium	12	B	0.58	0.067	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Cobalt	7.6		0.29	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Copper	21		0.58	0.051	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Iron	16000		12	4.8	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Lead	10	B	0.29	0.086	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Magnesium	29000	B	5.8	1.2	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Manganese	380	B	0.58	0.031	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Nickel	18	B	0.58	0.057	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Potassium	1900		29	1.7	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Sodium	1000		58	7.8	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Strontium	30	B	0.29	0.012	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Thallium	<0.58		0.58	0.24	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Vanadium	18		0.29	0.043	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1
Zinc	40	B	1.2	0.23	mg/Kg	☼	09/24/13 08:56	10/05/13 00:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088	J	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:36	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	23		19	8.7	ug/Kg	☼	09/24/13 15:45	09/25/13 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.50		0.200	0.200	SU			10/01/13 11:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-6(0-4)-092313
Date Collected: 09/23/13 10:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-14
Matrix: Solid
Percent Solids: 82.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		09/25/13 18:03	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		09/25/13 18:03	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/25/13 18:03	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		09/25/13 18:03	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		09/25/13 18:03	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		09/25/13 18:03	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		09/25/13 18:03	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		09/25/13 18:03	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		09/25/13 18:03	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		09/25/13 18:03	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		09/25/13 18:03	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		09/25/13 18:03	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		09/25/13 18:03	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/25/13 18:03	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		09/25/13 18:03	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		09/25/13 18:03	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		09/25/13 18:03	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		09/25/13 18:03	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		09/25/13 18:03	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		09/25/13 18:03	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		09/25/13 18:03	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		09/25/13 18:03	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		09/25/13 18:03	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		09/25/13 18:03	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		09/25/13 18:03	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		09/25/13 18:03	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/25/13 18:03	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		09/25/13 18:03	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		09/25/13 18:03	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		09/25/13 18:03	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		09/25/13 18:03	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		09/25/13 18:03	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		09/25/13 18:03	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		09/25/13 18:03	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		09/25/13 18:03	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		09/25/13 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*09/25/13 18:03*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*09/25/13 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 134*		*09/25/13 18:03*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*09/25/13 18:03*	*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	45	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
1,2-Dichlorobenzene	<200		200	43	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
1,3-Dichlorobenzene	<200		200	42	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
1,4-Dichlorobenzene	<200		200	42	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2,2'-oxybis[1-chloropropane]	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-6(0-4)-092313
Date Collected: 09/23/13 10:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-14
Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	110	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2,4,6-Trichlorophenol	<390		390	50	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2,4-Dichlorophenol	<390		390	120	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2,4-Dimethylphenol	<390		390	120	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2,4-Dinitrophenol	<800		800	200	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2,4-Dinitrotoluene	<200		200	61	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2,6-Dinitrotoluene	<200		200	47	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2-Chlorophenol	<200		200	57	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2-Methylnaphthalene	<200		200	51	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2-Methylphenol	<200		200	53	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2-Nitroaniline	<200		200	71	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
2-Nitrophenol	<390		390	62	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
3 & 4 Methylphenol	<200		200	75	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
3,3'-Dichlorobenzidine	<200		200	33	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
3-Nitroaniline	<390		390	76	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
4,6-Dinitro-2-methylphenol	<390		390	96	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
4-Bromophenyl phenyl ether	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
4-Chloro-3-methylphenol	<390		390	190	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
4-Chloroaniline	<800		800	120	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
4-Chlorophenyl phenyl ether	<200		200	62	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
4-Nitroaniline	<390		390	81	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
4-Nitrophenol	<800		800	210	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Acenaphthene	<39		39	12	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Acenaphthylene	<39		39	9.1	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Anthracene	<39		39	9.3	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Benzo[a]anthracene	**38**	**J**	39	8.3	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Benzo[a]pyrene	**38**	**J**	39	7.2	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Benzo[b]fluoranthene	**61**		39	7.7	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Benzo[g,h,i]perylene	**46**		39	13	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Benzo[k]fluoranthene	**22**	**J**	39	9.4	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Bis(2-chloroethoxy)methane	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Bis(2-ethylhexyl) phthalate	**56**	**J**	200	52	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Butyl benzyl phthalate	<200		200	50	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Carbazole	<200		200	56	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Chrysene	**47**		39	8.9	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Dibenz(a,h)anthracene	**14**	**J**	39	11	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Dibenzofuran	<200		200	48	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Dimethyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Di-n-butyl phthalate	<200		200	50	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Di-n-octyl phthalate	<200		200	80	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Fluoranthene	**66**		39	16	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Fluorene	<39		39	9.0	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Hexachlorobenzene	<80		80	7.8	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Hexachlorobutadiene	<200		200	52	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Hexachlorocyclopentadiene	<800		800	180	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Hexachloroethane	<200		200	42	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-6(0-4)-092313
Date Collected: 09/23/13 10:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-14
Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	30	J	39	13	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Isophorone	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Naphthalene	<39		39	7.6	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Nitrobenzene	<39		39	12	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
N-Nitrosodiphenylamine	<200		200	54	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Pentachlorophenol	<800		800	200	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Phenanthrene	26	J	39	17	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Phenol	<200		200	63	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1
Pyrene	67		39	14	ug/Kg	☼	09/24/13 07:11	09/30/13 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 137*	*09/24/13 07:11*	*09/30/13 21:53*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*09/24/13 07:11*	*09/30/13 21:53*	*1*
2-Fluorophenol	*65*		*25 - 110*	*09/24/13 07:11*	*09/30/13 21:53*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*09/24/13 07:11*	*09/30/13 21:53*	*1*
Phenol-d5	*68*		*31 - 110*	*09/24/13 07:11*	*09/30/13 21:53*	*1*
Terphenyl-d14	*101*		*36 - 134*	*09/24/13 07:11*	*09/30/13 21:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:02	1
Barium	0.92	B	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 22:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 22:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 22:02	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:02	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:02	1
Copper	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:02	1
Iron	<0.20		0.20	0.20	mg/L		09/30/13 07:45	10/04/13 22:02	1
Lead	<0.0075		0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 22:02	1
Manganese	0.043		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:02	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/05/13 14:32	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:02	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:02	1
Zinc	0.60	B	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 22:02	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		09/30/13 07:45	10/01/13 13:13	1
Barium	1.3	B	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 13:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 13:13	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 13:13	1
Chromium	0.096		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:13	1
Cobalt	0.027		0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 13:13	1
Copper	0.092		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:13	1
Iron	88		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 13:13	1
Lead	0.17		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 13:13	1
Manganese	0.96		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:13	1
Nickel	0.086		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:13	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-6(0-4)-092313
Date Collected: 09/23/13 10:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-14
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	0.0050	mg/L		09/30/13 07:45	10/01/13 13:13	1
Zinc	1.6	B	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 13:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6400	B	12	1.1	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Arsenic	4.3		0.58	0.12	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Barium	36	B	0.58	0.062	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Beryllium	0.46		0.23	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Cadmium	0.41		0.12	0.015	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Calcium	22000	B	12	3.2	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Chromium	9.2	B	0.58	0.067	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Cobalt	4.1		0.29	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Copper	12		0.58	0.052	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Iron	12000		12	4.8	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Lead	22	B	0.29	0.087	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Magnesium	13000	B	5.8	1.2	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Manganese	270	B	0.58	0.032	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Nickel	10	B	0.58	0.057	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Potassium	940		29	1.8	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Sodium	1700		58	7.8	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Strontium	16	B	0.29	0.012	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Thallium	<0.58		0.58	0.25	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Vanadium	15		0.29	0.043	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1
Zinc	34	B	1.2	0.23	mg/Kg	☼	09/24/13 08:56	10/05/13 00:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	J	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:46	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	28		20	9.3	ug/Kg	☼	09/24/13 15:45	09/25/13 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.87		0.200	0.200	SU			10/01/13 12:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-6(4-8)-092313
Date Collected: 09/23/13 10:25
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-15
Matrix: Solid
Percent Solids: 79.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		09/25/13 18:49	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		09/25/13 18:49	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		09/25/13 18:49	1
Bromoform	<6.3		6.3	1.4	ug/Kg	☼		09/25/13 18:49	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		09/25/13 18:49	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		09/25/13 18:49	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		09/25/13 18:49	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		09/25/13 18:49	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		09/25/13 18:49	1
Chloroform	<6.3		6.3	0.72	ug/Kg	☼		09/25/13 18:49	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		09/25/13 18:49	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		09/25/13 18:49	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	☼		09/25/13 18:49	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		09/25/13 18:49	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	☼		09/25/13 18:49	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		09/25/13 18:49	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		09/25/13 18:49	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	☼		09/25/13 18:49	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	☼		09/25/13 18:49	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		09/25/13 18:49	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		09/25/13 18:49	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		09/25/13 18:49	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		09/25/13 18:49	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	☼		09/25/13 18:49	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		09/25/13 18:49	1
Styrene	<6.3		6.3	0.82	ug/Kg	☼		09/25/13 18:49	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		09/25/13 18:49	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		09/25/13 18:49	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		09/25/13 18:49	1
trans-1,2-Dichloroethene	<6.3		6.3	0.86	ug/Kg	☼		09/25/13 18:49	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		09/25/13 18:49	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		09/25/13 18:49	1
1,1,2-Trichloroethane	<6.3		6.3	0.85	ug/Kg	☼		09/25/13 18:49	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		09/25/13 18:49	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		09/25/13 18:49	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		09/25/13 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*09/25/13 18:49*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*09/25/13 18:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 134*		*09/25/13 18:49*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*09/25/13 18:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
1,2-Dichlorobenzene	<200		200	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
1,3-Dichlorobenzene	<200		200	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
1,4-Dichlorobenzene	<200		200	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2,2'-oxybis[1-chloropropane]	<200		200	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-6(4-8)-092313
Date Collected: 09/23/13 10:25
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-15
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	110	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2,4,6-Trichlorophenol	<390		390	49	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2,4-Dichlorophenol	<390		390	120	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2,4-Dimethylphenol	<390		390	120	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2,4-Dinitrophenol	<790		790	200	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2,4-Dinitrotoluene	<200		200	60	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2,6-Dinitrotoluene	<200		200	46	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2-Chlorophenol	<200		200	56	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2-Methylnaphthalene	<200		200	51	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2-Methylphenol	<200		200	52	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2-Nitroaniline	<200		200	70	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
2-Nitrophenol	<390		390	61	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
3 & 4 Methylphenol	<200		200	74	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
3,3'-Dichlorobenzidine	<200		200	33	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
3-Nitroaniline	<390		390	75	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
4,6-Dinitro-2-methylphenol	<390		390	95	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
4-Bromophenyl phenyl ether	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
4-Chloro-3-methylphenol	<390		390	190	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
4-Chlorophenyl phenyl ether	<200		200	61	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
4-Nitroaniline	<390		390	80	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
4-Nitrophenol	<790		790	210	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Acenaphthene	<39		39	12	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Acenaphthylene	<39		39	9.0	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Anthracene	<39		39	9.2	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Benzo[a]anthracene	<39		39	8.2	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Benzo[a]pyrene	<39		39	7.1	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Benzo[b]fluoranthene	<39		39	7.6	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Benzo[k]fluoranthene	<39		39	9.3	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Bis(2-chloroethoxy)methane	<200		200	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Bis(2-ethylhexyl) phthalate	<200		200	52	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Butyl benzyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Carbazole	<200		200	55	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Chrysene	<39		39	8.8	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Dibenz(a,h)anthracene	<39		39	11	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Diethyl phthalate	<200		200	65	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Dimethyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Di-n-butyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Di-n-octyl phthalate	<200		200	79	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Fluoranthene	<39		39	16	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Fluorene	<39		39	8.9	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Hexachlorobenzene	<79		79	7.7	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Hexachlorobutadiene	<200		200	51	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Hexachlorocyclopentadiene	<790		790	180	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Hexachloroethane	<200		200	42	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-6(4-8)-092313
Date Collected: 09/23/13 10:25
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-15
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	13	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Isophorone	<200		200	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Naphthalene	<39		39	7.5	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Nitrobenzene	<39		39	12	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
N-Nitrosodiphenylamine	<200		200	53	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Pentachlorophenol	<790		790	200	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Phenanthrene	<39		39	16	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Phenol	<200		200	62	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1
Pyrene	<39		39	14	ug/Kg	☼	09/24/13 07:11	09/30/13 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*42*		*35 - 137*	*09/24/13 07:11*	*09/30/13 22:13*	*1*
2-Fluorobiphenyl	*48*		*25 - 119*	*09/24/13 07:11*	*09/30/13 22:13*	*1*
2-Fluorophenol	*58*		*25 - 110*	*09/24/13 07:11*	*09/30/13 22:13*	*1*
Nitrobenzene-d5	*50*		*25 - 115*	*09/24/13 07:11*	*09/30/13 22:13*	*1*
Phenol-d5	*58*		*31 - 110*	*09/24/13 07:11*	*09/30/13 22:13*	*1*
Terphenyl-d14	*92*		*36 - 134*	*09/24/13 07:11*	*09/30/13 22:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:07	1
Barium	**0.87**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 22:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 22:07	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 22:07	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:07	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:07	1
Copper	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:07	1
Iron	<0.20		0.20	0.20	mg/L		09/30/13 07:45	10/04/13 22:07	1
Lead	<0.0075		0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 22:07	1
Manganese	**0.97**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:07	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/05/13 14:38	1
Selenium	**0.014**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:07	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:07	1
Zinc	**0.56**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 22:07	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		09/30/13 07:45	10/01/13 13:17	1
Barium	**1.0**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 13:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 13:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 13:17	1
Chromium	**0.012**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:17	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 13:17	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:17	1
Iron	**3.9**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 13:17	1
Lead	<0.0075		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 13:17	1
Manganese	**0.062**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:17	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-6(4-8)-092313
Date Collected: 09/23/13 10:25
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-15
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	0.0050	mg/L		09/30/13 07:45	10/01/13 13:17	1
Zinc	**0.97**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 13:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4000**	**B**	12	1.1	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Antimony	<1.2		1.2	0.49	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Arsenic	**2.3**		0.60	0.12	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Barium	**120**	**B**	0.60	0.065	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Beryllium	**0.34**		0.24	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Cadmium	**0.27**		0.12	0.015	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Calcium	**55000**	**B**	12	3.3	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Chromium	**8.3**	**B**	0.60	0.070	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Cobalt	**4.8**		0.30	0.022	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Copper	**8.2**		0.60	0.054	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Iron	**6800**		12	5.0	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Lead	**5.8**	**B**	0.30	0.090	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Magnesium	**34000**	**B**	6.0	1.2	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Manganese	**810**	**B**	6.0	0.33	mg/Kg	☼	09/24/13 08:56	10/05/13 16:07	10
Nickel	**9.6**	**B**	0.60	0.059	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Potassium	**680**		30	1.8	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Sodium	**800**		60	8.1	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Strontium	**19**	**B**	0.30	0.012	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Thallium	<0.60		0.60	0.25	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Vanadium	**11**		0.30	0.045	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1
Zinc	**20**	**B**	1.2	0.24	mg/Kg	☼	09/24/13 08:56	10/05/13 01:07	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**		20	9.4	ug/Kg	☼	09/24/13 15:45	09/25/13 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.60**		0.200	0.200	SU			10/01/13 12:40	1

Client Sample ID: RE3-7(0-4)-092313
Date Collected: 09/23/13 10:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-16
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**58**		5.8	2.5	ug/Kg	☼		09/25/13 19:12	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		09/25/13 19:12	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		09/25/13 19:12	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		09/25/13 19:12	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		09/25/13 19:12	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		09/25/13 19:12	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		09/25/13 19:12	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		09/25/13 19:12	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		09/25/13 19:12	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		09/25/13 19:12	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		09/25/13 19:12	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		09/25/13 19:12	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		09/25/13 19:12	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		09/25/13 19:12	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		09/25/13 19:12	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		09/25/13 19:12	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		09/25/13 19:12	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		09/25/13 19:12	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		09/25/13 19:12	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		09/25/13 19:12	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		09/25/13 19:12	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		09/25/13 19:12	1
Methyl Ethyl Ketone	**13**		5.8	2.1	ug/Kg	☼		09/25/13 19:12	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		09/25/13 19:12	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		09/25/13 19:12	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		09/25/13 19:12	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		09/25/13 19:12	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		09/25/13 19:12	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		09/25/13 19:12	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		09/25/13 19:12	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		09/25/13 19:12	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		09/25/13 19:12	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		09/25/13 19:12	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		09/25/13 19:12	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		09/25/13 19:12	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		09/25/13 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*09/25/13 19:12*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*09/25/13 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 134*		*09/25/13 19:12*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*09/25/13 19:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
1,2-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
1,3-Dichlorobenzene	<190		190	39	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
1,4-Dichlorobenzene	<190		190	39	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2,2'-oxybis[1-chloropropane]	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-7(0-4)-092313
Date Collected: 09/23/13 10:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-16
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	110	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2,4,6-Trichlorophenol	<370		370	46	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2,4-Dichlorophenol	<370		370	110	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2,4-Dimethylphenol	<370		370	120	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2,4-Dinitrophenol	<750		750	190	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2,4-Dinitrotoluene	<190		190	57	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2,6-Dinitrotoluene	<190		190	44	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2-Chlorophenol	<190		190	53	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2-Methylnaphthalene	<190		190	48	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2-Methylphenol	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2-Nitroaniline	<190		190	67	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
2-Nitrophenol	<370		370	58	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
3 & 4 Methylphenol	<190		190	70	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
3,3'-Dichlorobenzidine	<190		190	31	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
3-Nitroaniline	<370		370	71	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
4,6-Dinitro-2-methylphenol	<370		370	90	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
4-Bromophenyl phenyl ether	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
4-Chloro-3-methylphenol	<370		370	180	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
4-Chloroaniline	<750		750	110	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
4-Chlorophenyl phenyl ether	<190		190	58	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
4-Nitroaniline	<370		370	76	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
4-Nitrophenol	<750		750	200	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Acenaphthene	<37		37	11	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Acenaphthylene	<37		37	8.5	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Anthracene	<37		37	8.7	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Benzo[a]anthracene	<37		37	7.8	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Benzo[a]pyrene	**7.7**	**J**	37	6.7	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Benzo[b]fluoranthene	**7.6**	**J**	37	7.2	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Benzo[k]fluoranthene	<37		37	8.8	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Bis(2-chloroethoxy)methane	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Bis(2-ethylhexyl) phthalate	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Butyl benzyl phthalate	<190		190	46	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Carbazole	<190		190	52	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Chrysene	<37		37	8.4	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Dibenz(a,h)anthracene	<37		37	10	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Dimethyl phthalate	<190		190	46	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Di-n-butyl phthalate	<190		190	47	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Di-n-octyl phthalate	<190		190	75	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Fluoranthene	<37		37	15	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Fluorene	<37		37	8.4	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Hexachlorobenzene	<75		75	7.3	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Hexachlorobutadiene	<190		190	48	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Hexachlorocyclopentadiene	<750		750	170	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Hexachloroethane	<190		190	39	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1

Client Sample ID: RE3-7(0-4)-092313
Date Collected: 09/23/13 10:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-16
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	<37		37	12	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Isophorone	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Naphthalene	<37		37	7.1	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Nitrobenzene	<37		37	11	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
N-Nitrosodiphenylamine	<190		190	50	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Pentachlorophenol	<750		750	190	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Phenanthrene	<37		37	15	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Phenol	<190		190	59	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1
Pyrene	<37		37	13	ug/Kg	☼	09/24/13 07:11	09/30/13 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*09/24/13 07:11*	*09/30/13 22:33*	*1*
2-Fluorobiphenyl	*66*		*25 - 119*	*09/24/13 07:11*	*09/30/13 22:33*	*1*
2-Fluorophenol	*68*		*25 - 110*	*09/24/13 07:11*	*09/30/13 22:33*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*09/24/13 07:11*	*09/30/13 22:33*	*1*
Phenol-d5	*71*		*31 - 110*	*09/24/13 07:11*	*09/30/13 22:33*	*1*
Terphenyl-d14	*121*		*36 - 134*	*09/24/13 07:11*	*09/30/13 22:33*	*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		09/30/13 07:45	10/04/13 22:20	1
Barium	**1.2**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 22:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 22:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 22:20	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:20	1
Cobalt	**0.028**		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:20	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:20	1
Iron	**0.61**		0.20	0.20	mg/L		10/07/13 15:00	10/08/13 13:06	1
Lead	**0.010**		0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 22:20	1
Manganese	**5.5**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:20	1
Nickel	**0.028**		0.025	0.010	mg/L		09/30/13 07:45	10/05/13 14:59	1
Selenium	**0.014**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:20	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:20	1
Zinc	**0.71**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 22:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.021**	**J**	0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:21	1
Barium	**1.5**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 13:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 13:21	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 13:21	1
Chromium	**0.089**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:21	1
Cobalt	**0.030**		0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 13:21	1
Copper	**0.10**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:21	1
Iron	**100**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 13:21	1
Lead	**0.089**		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 13:21	1
Manganese	**1.0**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:21	1
Nickel	**0.092**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:21	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-7(0-4)-092313
Date Collected: 09/23/13 10:45
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-16
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	0.0050	mg/L		09/30/13 07:45	10/01/13 13:21	1
Zinc	1.4	B	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 13:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7100	B	11	1.1	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Arsenic	5.7		0.57	0.11	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Barium	71	B	0.57	0.061	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Beryllium	0.49		0.23	0.020	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Cadmium	0.69		0.11	0.015	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Calcium	88000	B	110	31	mg/Kg	☼	09/24/13 08:56	10/05/13 16:11	10
Chromium	10	B	0.57	0.066	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Cobalt	5.5		0.29	0.020	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Copper	16		0.57	0.051	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Iron	16000		11	4.7	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Lead	13	B	0.29	0.085	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Magnesium	39000	B	5.7	1.2	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Manganese	390	B	0.57	0.031	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Nickel	14	B	0.57	0.056	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Potassium	1500		29	1.7	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Sodium	2700		57	7.7	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Strontium	29	B	0.29	0.012	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Vanadium	16		0.29	0.042	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1
Zinc	34	B	1.1	0.23	mg/Kg	☼	09/24/13 08:56	10/05/13 01:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088	J	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		17	8.2	ug/Kg	☼	09/24/13 15:45	09/25/13 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.31		0.200	0.200	SU			10/01/13 12:45	1

Client Sample ID: RE3-7(4-8)-092313
Date Collected: 09/23/13 10:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-17
Matrix: Solid
Percent Solids: 83.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.8		6.0	2.6	ug/Kg	☼		09/26/13 14:27	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		09/26/13 14:27	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/26/13 14:27	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		09/26/13 14:27	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		09/26/13 14:27	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		09/26/13 14:27	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		09/26/13 14:27	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		09/26/13 14:27	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 14:27	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		09/26/13 14:27	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		09/26/13 14:27	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		09/26/13 14:27	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 14:27	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/26/13 14:27	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		09/26/13 14:27	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		09/26/13 14:27	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		09/26/13 14:27	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		09/26/13 14:27	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 14:27	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		09/26/13 14:27	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		09/26/13 14:27	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 14:27	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		09/26/13 14:27	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 14:27	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		09/26/13 14:27	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 14:27	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/26/13 14:27	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		09/26/13 14:27	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		09/26/13 14:27	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		09/26/13 14:27	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		09/26/13 14:27	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		09/26/13 14:27	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		09/26/13 14:27	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		09/26/13 14:27	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		09/26/13 14:27	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		09/26/13 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*09/26/13 14:27*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*09/26/13 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 134*		*09/26/13 14:27*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*09/26/13 14:27*	*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	44	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
1,2-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
1,4-Dichlorobenzene	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-7(4-8)-092313
Date Collected: 09/23/13 10:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-17
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	110	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2,4,6-Trichlorophenol	<380		380	48	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2,4-Dichlorophenol	<380		380	120	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2,4-Dimethylphenol	<380		380	120	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2,4-Dinitrophenol	<780		780	200	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2,6-Dinitrotoluene	<190		190	46	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2-Chlorophenol	<190		190	55	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2-Methylnaphthalene	<190		190	50	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2-Methylphenol	<190		190	51	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2-Nitroaniline	<190		190	70	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
2-Nitrophenol	<380		380	61	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
3 & 4 Methylphenol	<190		190	73	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
3,3'-Dichlorobenzidine	<190		190	32	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
3-Nitroaniline	<380		380	75	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
4,6-Dinitro-2-methylphenol	<380		380	94	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
4-Bromophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
4-Chloro-3-methylphenol	<380		380	180	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
4-Chloroaniline	<780		780	120	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
4-Chlorophenyl phenyl ether	<190		190	61	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
4-Nitroaniline	<380		380	79	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
4-Nitrophenol	<780		780	210	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Acenaphthene	<38		38	12	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Acenaphthylene	<38		38	8.9	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Anthracene	<38		38	9.1	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Benzo[a]anthracene	<38		38	8.1	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Benzo[a]pyrene	<38		38	7.0	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Benzo[b]fluoranthene	<38		38	7.5	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Benzo[g,h,i]perylene	<38		38	13	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Benzo[k]fluoranthene	<38		38	9.2	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Bis(2-chloroethoxy)methane	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Bis(2-ethylhexyl) phthalate	<190		190	51	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Butyl benzyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Carbazole	<190		190	54	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Chrysene	<38		38	8.7	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Dibenz(a,h)anthracene	<38		38	11	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Dibenzofuran	<190		190	46	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Di-n-butyl phthalate	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Di-n-octyl phthalate	<190		190	78	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Fluoranthene	<38		38	16	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Fluorene	<38		38	8.8	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Hexachlorobenzene	<78		78	7.6	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Hexachlorobutadiene	<190		190	51	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Hexachlorocyclopentadiene	<780		780	180	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Hexachloroethane	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1

Client Sample ID: RE3-7(4-8)-092313
Date Collected: 09/23/13 10:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-17
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	13	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Isophorone	<190		190	43	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Naphthalene	<38		38	7.4	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Nitrobenzene	<38		38	12	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
N-Nitrosodi-n-propylamine	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
N-Nitrosodiphenylamine	<190		190	52	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Pentachlorophenol	<780		780	200	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Phenanthrene	<38		38	16	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Phenol	<190		190	61	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1
Pyrene	<38		38	14	ug/Kg	☼	09/24/13 07:11	09/30/13 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*35 - 137*	*09/24/13 07:11*	*09/30/13 22:53*	*1*
2-Fluorobiphenyl	*63*		*25 - 119*	*09/24/13 07:11*	*09/30/13 22:53*	*1*
2-Fluorophenol	*69*		*25 - 110*	*09/24/13 07:11*	*09/30/13 22:53*	*1*
Nitrobenzene-d5	*60*		*25 - 115*	*09/24/13 07:11*	*09/30/13 22:53*	*1*
Phenol-d5	*72*		*31 - 110*	*09/24/13 07:11*	*09/30/13 22:53*	*1*
Terphenyl-d14	*107*		*36 - 134*	*09/24/13 07:11*	*09/30/13 22:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:25	1
Barium	**1.6**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 22:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 22:25	1
Cadmium	**0.0029**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 22:25	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:25	1
Cobalt	**0.0087**	**J**	0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:25	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:25	1
Iron	<0.20		0.20	0.20	mg/L		10/07/13 15:00	10/08/13 13:11	1
Lead	**0.0051**	**J**	0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 22:25	1
Manganese	**4.3**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:25	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/05/13 15:05	1
Selenium	**0.015**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:25	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:25	1
Zinc	**0.60**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 22:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:33	1
Barium	**1.4**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 13:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 13:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 13:33	1
Chromium	**0.079**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:33	1
Cobalt	**0.039**		0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 13:33	1
Copper	**0.089**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:33	1
Iron	**82**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 13:33	1
Lead	**0.050**		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 13:33	1
Manganese	**0.94**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:33	1
Nickel	**0.099**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:33	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-7(4-8)-092313
Date Collected: 09/23/13 10:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-17
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	0.0050	mg/L		09/30/13 07:45	10/01/13 13:33	1
Zinc	1.2	B	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 13:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600	B	12	1.1	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Antimony	<1.2		1.2	0.48	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Arsenic	5.0		0.59	0.12	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Barium	51	B	0.59	0.063	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Beryllium	0.55		0.24	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Cadmium	0.68		0.12	0.015	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Calcium	56000	B	12	3.2	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Chromium	14	B	0.59	0.069	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Cobalt	8.1		0.30	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Copper	19		0.59	0.052	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Iron	19000		12	4.9	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Lead	9.6	B	0.30	0.088	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Magnesium	27000	B	5.9	1.2	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Manganese	350	B	0.59	0.032	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Nickel	21	B	0.59	0.058	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Potassium	2200		30	1.8	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Silver	<0.30		0.30	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Sodium	1200		59	7.9	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Strontium	28	B	0.30	0.012	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Thallium	<0.59		0.59	0.25	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Vanadium	18		0.30	0.044	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1
Zinc	34	B	1.2	0.24	mg/Kg	☼	09/24/13 08:56	10/05/13 01:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043	J	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		18	8.6	ug/Kg	☼	09/24/13 15:45	09/25/13 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.88		0.200	0.200	SU			10/01/13 12:49	1

Client Sample ID: RE3-7(4-8)-092313D
Date Collected: 09/23/13 10:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-18
Matrix: Solid
Percent Solids: 83.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.6		6.0	2.6	ug/Kg	☼		09/26/13 15:35	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		09/26/13 15:35	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/26/13 15:35	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		09/26/13 15:35	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		09/26/13 15:35	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		09/26/13 15:35	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		09/26/13 15:35	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		09/26/13 15:35	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 15:35	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		09/26/13 15:35	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		09/26/13 15:35	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		09/26/13 15:35	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 15:35	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/26/13 15:35	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		09/26/13 15:35	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		09/26/13 15:35	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		09/26/13 15:35	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		09/26/13 15:35	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 15:35	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		09/26/13 15:35	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		09/26/13 15:35	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 15:35	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		09/26/13 15:35	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		09/26/13 15:35	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		09/26/13 15:35	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		09/26/13 15:35	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/26/13 15:35	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		09/26/13 15:35	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		09/26/13 15:35	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		09/26/13 15:35	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		09/26/13 15:35	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		09/26/13 15:35	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		09/26/13 15:35	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		09/26/13 15:35	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		09/26/13 15:35	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		09/26/13 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*09/26/13 15:35*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*09/26/13 15:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 134*		*09/26/13 15:35*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*09/26/13 15:35*	*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	44	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
1,2-Dichlorobenzene	<200		200	43	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
1,3-Dichlorobenzene	<200		200	41	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
1,4-Dichlorobenzene	<200		200	41	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2,2'-oxybis[1-chloropropane]	<200		200	43	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-7(4-8)-092313D
Date Collected: 09/23/13 10:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-18
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	110	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2,4,6-Trichlorophenol	<390		390	49	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2,4-Dichlorophenol	<390		390	120	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2,4-Dimethylphenol	<390		390	120	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2,4-Dinitrophenol	<790		790	200	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2,4-Dinitrotoluene	<200		200	60	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2,6-Dinitrotoluene	<200		200	47	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2-Chlorophenol	<200		200	56	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2-Methylnaphthalene	<200		200	51	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2-Methylphenol	<200		200	52	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2-Nitroaniline	<200		200	71	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
2-Nitrophenol	<390		390	61	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
3 & 4 Methylphenol	<200		200	74	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
3,3'-Dichlorobenzidine	<200		200	33	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
3-Nitroaniline	<390		390	76	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
4,6-Dinitro-2-methylphenol	<390		390	95	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
4-Bromophenyl phenyl ether	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
4-Chloro-3-methylphenol	<390		390	190	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
4-Chlorophenyl phenyl ether	<200		200	62	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
4-Nitroaniline	<390		390	80	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
4-Nitrophenol	<790		790	210	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Acenaphthene	<39		39	12	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Acenaphthylene	<39		39	9.0	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Anthracene	<39		39	9.2	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Benzo[a]anthracene	<39		39	8.2	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Benzo[a]pyrene	<39		39	7.1	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Benzo[b]fluoranthene	<39		39	7.6	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Benzo[k]fluoranthene	<39		39	9.3	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Bis(2-chloroethoxy)methane	<200		200	43	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Bis(2-ethylhexyl) phthalate	<200		200	52	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Butyl benzyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Carbazole	<200		200	55	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Chrysene	<39		39	8.8	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Dibenz(a,h)anthracene	<39		39	11	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Diethyl phthalate	<200		200	65	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Dimethyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Di-n-butyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Di-n-octyl phthalate	<200		200	80	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Fluoranthene	<39		39	16	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Fluorene	<39		39	8.9	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Hexachlorobenzene	<79		79	7.7	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Hexachlorobutadiene	<200		200	51	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Hexachlorocyclopentadiene	<790		790	180	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Hexachloroethane	<200		200	42	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-7(4-8)-092313D
Date Collected: 09/23/13 10:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-18
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	13	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Isophorone	<200		200	44	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Naphthalene	<39		39	7.6	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Nitrobenzene	<39		39	12	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
N-Nitrosodiphenylamine	<200		200	53	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Pentachlorophenol	<790		790	200	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Phenanthrene	<39		39	16	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Phenol	<200		200	62	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1
Pyrene	<39		39	14	ug/Kg	☼	09/24/13 07:11	09/30/13 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 137*	*09/24/13 07:11*	*09/30/13 23:13*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*09/24/13 07:11*	*09/30/13 23:13*	*1*
2-Fluorophenol	*74*		*25 - 110*	*09/24/13 07:11*	*09/30/13 23:13*	*1*
Nitrobenzene-d5	*64*		*25 - 115*	*09/24/13 07:11*	*09/30/13 23:13*	*1*
Phenol-d5	*78*		*31 - 110*	*09/24/13 07:11*	*09/30/13 23:13*	*1*
Terphenyl-d14	*106*		*36 - 134*	*09/24/13 07:11*	*09/30/13 23:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:30	1
Barium	**1.3**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 22:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 22:30	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 22:30	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:30	1
Cobalt	**0.0062**	**J**	0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:30	1
Copper	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:30	1
Iron	**0.22**		0.20	0.20	mg/L		10/07/13 15:00	10/08/13 13:39	1
Lead	**0.0064**	**J**	0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 22:30	1
Manganese	**3.4**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 22:30	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/05/13 15:12	1
Selenium	**0.012**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 22:30	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 22:30	1
Zinc	**0.53**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 22:30	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		09/30/13 07:45	10/01/13 13:37	1
Barium	**1.5**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 13:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 13:37	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 13:37	1
Chromium	**0.086**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:37	1
Cobalt	**0.044**		0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 13:37	1
Copper	**0.091**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:37	1
Iron	**80**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 13:37	1
Lead	**0.046**		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 13:37	1
Manganese	**1.3**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:37	1
Nickel	**0.11**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 13:37	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 13:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE3-7(4-8)-092313D
Date Collected: 09/23/13 10:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-18
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	0.0050	mg/L		09/30/13 07:45	10/01/13 13:37	1
Zinc	1.1	B	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 13:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600	B	12	1.1	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Antimony	<1.2		1.2	0.48	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Arsenic	7.6		0.60	0.12	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Barium	59	B	0.60	0.064	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Beryllium	0.56		0.24	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Cadmium	0.77		0.12	0.015	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Calcium	53000	B	12	3.2	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Chromium	14	B	0.60	0.070	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Cobalt	10		0.30	0.021	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Copper	25		0.60	0.053	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Iron	21000		12	4.9	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Lead	11	B	0.30	0.089	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Magnesium	25000	B	6.0	1.2	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Manganese	430	B	0.60	0.033	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Nickel	24	B	0.60	0.059	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Potassium	2000		30	1.8	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Sodium	1200		60	8.0	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Strontium	28	B	0.30	0.012	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Thallium	<0.60		0.60	0.25	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Vanadium	19		0.30	0.044	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1
Zinc	38	B	1.2	0.24	mg/Kg	☼	09/24/13 08:56	10/05/13 01:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.061	J	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	19	9.0	ug/Kg	☼	09/24/13 15:45	09/25/13 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.07		0.200	0.200	SU			10/01/13 12:54	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	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.
*	ISTD response or retention time outside acceptable 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.
F	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	10-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-63498 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E. Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-63498
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 4.3

Client: Weston
Client Project #:
Project Name: IDOT 016
Project Location/State: N. Barrington / IL
Lab Project #:
Sampler: T. Wallis
Lab PM: D. Wright

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL metals	TCLP/SPLP metals	PH					Comments
1		RE9-1 (0-4)-092313	9-23-13	0815	2	S	X	X	X	X	X					
2		RE9-1 (4-8)-092313		0820												
3		RE9-2 (0-4)-092313		0835												
4		RE9-2 (4-8)-092313		0840												
5		RE9-3 (0-4)-092313		0850												
6		RE9-3 (4-8)-092313		0855												
7		RE3-3 (0-4)-092313		0920												
8		RE3-3 (4-8)-092313		0925												
9		RE3-3 (4-8)-092313 D		0925												
10		RE3-4 (0-4)-092313	9-23-13	0945	2	S	X	X	X	X	X					

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

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Timothy A. Wallis	Weston	9-23-13	1445		TA	9/23/13	1445
	TA	9/23/13	1605		TA	9-24-13	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-63490

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E. Bunker Ct. Ste 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

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

Client: Weston
Client Project #:
Project Name: IDOT 016
Project Location/State: N. Barrington / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH	Comments
11		RE3-4(4-8)-092313	9-23-13	0950	2	S	X	X	X	X	X	
12		RE3-5(0-4)-092313		0955								
13		RE3-5(4-8)-092313		1000								
14		RE3-6(0-4)-092313		1020								
15		RE3-6(4-8)-092313		1025								
16		RE3-7(0-4)-092313		1095								
17		RE3-7(4-8)-092313		1050								
18		RE3-7(4-8)-092313D		1050								
19		RV-4(0-3)-092313	9-23-13	1105	2	S	X	X	X	X	X	
		T. Walls	9-23-13									

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	9-23-13	1445		TA	9/24/13	1445
	TA	9/23/13	1605		TA	9/24/13	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 337: IL Rte 22 at Old Barrington Road Office Phone Number, if available: _____

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

22231-22497 N. Old Barrington Road, 26464 W. Edgemond Land, 26252-26418 W. IL 22, and 224462 N. Bertha Lane

City: North Barrington 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: 42.190619142 (Decimal Degrees) Longitude: -88.148900171 (-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 337: IL Rte 22 at Old Barrington Road

Latitude: 42.190619142 Longitude: -88.148900171

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 RE9-1, RE9-3, RE9-4, AND RE9-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2356-9. 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: 500-63498-1.
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-63500-1.

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 Transporation

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:

11/21/14
Date:

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

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

Summary Table of ISGS Site No. 2356-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 337: Illinois Route 22 at Old Barrington Road
North Barrington and Unincorporated Lake County, Illinois

Field Sample ID	RE9-1(0-4)-092313	RE9-1(4-8)-092313	RE9-3(0-4)-092313	RE9-3(4-8)-092313	RE9-4(0-4)-092313	RE9-4(4-8)-092313	RE9-5(0-4)-092313	RE9-5(4-8)-092313	Soil Reference Concentrations[A]
Sample Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	
Location ID	RE9-1	RE9-1	RE9-3	RE9-3	RE9-4	RE9-4	RE9-5	RE9-5	
Depth	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	
Parameter									
Laboratory pH	8.23	7.42	8.56	8.21	8.72	8.32	8.72	7.81	<6.25, >9.0
VOCs (ug/kg)									
Acetone	ND	59	23	ND	19	3.7 J	65	140	25000
Methyl ethyl ketone	ND	11	ND	ND	ND	ND	ND	36	---
SVOCs (ug/kg)									
Benzo(a)anthracene	14 J	ND	ND	ND	ND	9.4 J	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	15 J	9.7 J	ND	ND	ND	31 J	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	25 J	ND	ND	ND	ND	27 J	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	17 J	ND	ND	ND	ND	31 J	ND	ND	---
Benzo(k)fluoranthene	10 J	ND	ND	ND	ND	30 J	ND	ND	9000
Chrysene	19 J	ND	ND	ND	ND	27 J	ND	ND	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	12 J	ND	ND	90 / 200 / 420
Fluoranthene	ND	ND	ND	ND	ND	66	ND	ND	3100000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	28 J	ND	ND	900 / 900 / 1600
Phenanthrene	ND	ND	ND	ND	ND	26 J	ND	ND	---
Pyrene	ND	ND	ND	ND	ND	37 J	ND	ND	2300000
Total Metals (mg/kg)									
Aluminum, Total	8300 B	8600 B	8100 B	8500 B	8200 B	8800 B	6700 B	2800 B	---
Arsenic, Total	7.2	6.7	7.1	8.8	5.8	5.1	6	2.2	11.3 / 13
Barium, Total	51 B	79 B	37 B	38 B	34	36	42	28	1500
Beryllium, Total	0.72	0.59	0.52	0.58	0.47	0.45	0.36	0.18 J	22
Cadmium, Total	0.93 J-	0.48	0.71	0.64	0.2 B	0.24 B	0.24 B	0.2 B	5.2
Calcium, Total	55000 J	46000 B	92000 B	68000 B	60000 B	71000 B	64000 B	33000 B	---
Chromium, Total	17 J-	12 B	13 B	14 B	13	15	9.6	5.4	21
Cobalt, Total	5.9	6.8	7.7	9.7	9.5	7.1	7.2	2.2	20
Copper, Total	19	17	18	21	18	21	14	6.3	2900
Iron, Total	17000	13000	15000	18000	16000	16000	13000	4400	15000 / 15900
Lead, Total	98 B	11 B	11 B	10 B	12 B	13 B	17 B	3.9 B	107
Magnesium, Total	32000 J	28000 B	30000 B	31000 B	27000 B	32000 B	31000 B	20000 B	325000
Manganese, Total	340 B	270 B	370 B	380 B	290	260	390	70	630 / 636
Mercury, Total	0.015 J	0.02 J	0.027	0.023	0.027	0.024	0.022	ND	0.89
Nickel, Total	15 J-	14 B	20 B	23 B	25	23	16	6.6	100
Potassium, Total	1400 J+	1100	1600	2100	1500	1900	800	190	---
Selenium, Total	ND	0.26 J	ND	ND	ND	0.45 J	0.59	0.51 J	1.3
Sodium, Total	2500	2400	1400	870	1200	810	1600	1300	---
Strontium, Total	33 J	17 J	29 J	32 J	27 J	30 J	18 J	14 J	---
Thallium, Total	ND	ND	ND	0.38 J	ND	ND	ND	ND	2.6
Vanadium, Total	20	20	16	18	16	18	15	11	550
Zinc, Total	66 J-	40 B	33 B	42 B	49 B	55 B	52 B	15 B	5100

Summary Table of ISGS Site No. 2356-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 337: Illinois Route 22 at Old Barrington Road
North Barrington and Unincorporated Lake County, Illinois

Field Sample ID	RE9-1(0-4)-092313	RE9-1(4-8)-092313	RE9-3(0-4)-092313	RE9-3(4-8)-092313	RE9-4(0-4)-092313	RE9-4(4-8)-092313	RE9-5(0-4)-092313	RE9-5(4-8)-092313	Soil Reference Concentrations[A]
Sample Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	
Location ID	RE9-1	RE9-1	RE9-3	RE9-3	RE9-4	RE9-4	RE9-5	RE9-5	
Depth	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	
Parameter									
TCLP Metals (mg/l)									
Barium, TCLP	1.3 B	1.1 B	1.1 B	1 B	0.99 B	0.99 B	1 B	0.89 B	2
Cadmium, TCLP	0.0028 J	ND	0.002 J	0.002 J	ND	ND	ND	ND	0.005
Cobalt, TCLP	0.032	0.016 J	0.0065 J	ND	0.0098 J	0.0051 J	0.017 J	ND	1
Copper, TCLP	0.012 J	0.011 J	0.01 J	ND	ND	ND	ND	ND	0.65
Iron, TCLP	0.3	0.67	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	0.024	0.0068 J	ND	ND	0.005 J	ND	ND	ND	0.0075
Manganese, TCLP	7.1	5.5	2.4	0.81	4.1	1.2	7.9	0.41	0.15
Nickel, TCLP	0.026	0.011 J	0.012 J	ND	0.011 J	0.011 J	0.014 J	ND	0.1
Zinc, TCLP	0.85 B	0.76 B	0.72 B	0.61 B	0.51 B	0.55 B	0.55 B	0.53 B	5
SPLP Metals (mg/l)									
Arsenic, SPLP	0.022 J	ND	0.028 J	0.014 J	0.081	0.028 J	0.026 J	ND	0.05
Barium, SPLP	0.92 B	0.79 B	0.81 B	0.7 B	1.4	0.93	1.1	0.82	2
Beryllium, SPLP	ND	ND	ND	ND	0.008	ND	ND	ND	0.004
Cadmium, SPLP	0.0026 J	ND	ND	ND	0.0032 J	ND	ND	ND	0.005
Chromium, SPLP	0.074	0.037	0.083	0.053	0.16	0.065	0.067	0.011 J	0.1
Cobalt, SPLP	0.026	0.011 J	0.027	0.011 J	0.078	0.018 J	0.025	ND	1
Copper, SPLP	0.12	0.053	0.1	0.072	0.2	0.083	0.076	ND	0.65
Iron, SPLP	72	33	82	51	170	63	63	3.5	5
Lead, SPLP	0.29	0.023	0.044	0.025	0.11	0.037	0.081	0.0065 J	0.0075
Manganese, SPLP	0.98	0.52	0.55	0.2	1.6	0.46	1.3	0.032	0.15
Mercury, SPLP	0.000082 J	ND	0.000076 J	0.000032 J	0.00026 B	ND	ND	ND	0.002
Nickel, SPLP	0.072	0.032	0.1	0.051	0.2	0.062	0.056	ND	0.1
Zinc, SPLP	0.87 B	0.59 B	0.66 B	0.58 B	1	0.7	0.78	0.59	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-63500-1
Client Project/Site: IDOT - North Barrington - 016

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
10/8/2013 2:09:56 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-4(0-4)-092313
Date Collected: 09/23/13 10:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-9
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19		5.9	2.5	ug/Kg	☼		09/27/13 11:53	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		09/27/13 11:53	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/27/13 11:53	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		09/27/13 11:53	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		09/27/13 11:53	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		09/27/13 11:53	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		09/27/13 11:53	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		09/27/13 11:53	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		09/27/13 11:53	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		09/27/13 11:53	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		09/27/13 11:53	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		09/27/13 11:53	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		09/27/13 11:53	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/27/13 11:53	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		09/27/13 11:53	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		09/27/13 11:53	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		09/27/13 11:53	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		09/27/13 11:53	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		09/27/13 11:53	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		09/27/13 11:53	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		09/27/13 11:53	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		09/27/13 11:53	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		09/27/13 11:53	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		09/27/13 11:53	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		09/27/13 11:53	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		09/27/13 11:53	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/27/13 11:53	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		09/27/13 11:53	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		09/27/13 11:53	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		09/27/13 11:53	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		09/27/13 11:53	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		09/27/13 11:53	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		09/27/13 11:53	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		09/27/13 11:53	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		09/27/13 11:53	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		09/27/13 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*09/27/13 11:53*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*09/27/13 11:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*70 - 134*		*09/27/13 11:53*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*09/27/13 11:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
1,2-Dichlorobenzene	<200		200	43	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
1,3-Dichlorobenzene	<200		200	41	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
1,4-Dichlorobenzene	<200		200	41	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2,2'-oxybis[1-chloropropane]	<200		200	43	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-4(0-4)-092313
Date Collected: 09/23/13 10:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-9
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	110	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2,4,6-Trichlorophenol	<390		390	49	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2,4-Dichlorophenol	<390		390	120	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2,4-Dimethylphenol	<390		390	120	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2,4-Dinitrophenol	<790		790	200	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2,4-Dinitrotoluene	<200		200	60	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2,6-Dinitrotoluene	<200		200	46	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2-Chlorophenol	<200		200	56	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2-Methylnaphthalene	<200		200	51	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2-Methylphenol	<200		200	52	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2-Nitroaniline	<200		200	70	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
2-Nitrophenol	<390		390	61	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
3 & 4 Methylphenol	<200		200	74	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
3,3'-Dichlorobenzidine	<200		200	33	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
3-Nitroaniline	<390		390	75	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
4,6-Dinitro-2-methylphenol	<390		390	95	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
4-Bromophenyl phenyl ether	<200		200	44	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
4-Chloro-3-methylphenol	<390		390	190	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
4-Chlorophenyl phenyl ether	<200		200	62	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
4-Nitroaniline	<390		390	80	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
4-Nitrophenol	<790		790	210	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Acenaphthene	<39		39	12	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Acenaphthylene	<39		39	9.0	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Anthracene	<39		39	9.2	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Benzo[a]anthracene	<39		39	8.2	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Benzo[a]pyrene	<39		39	7.1	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Benzo[b]fluoranthene	<39		39	7.6	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Benzo[k]fluoranthene	<39		39	9.3	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Bis(2-chloroethoxy)methane	<200		200	43	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Bis(2-ethylhexyl) phthalate	<200		200	52	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Butyl benzyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Carbazole	<200		200	55	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Chrysene	<39		39	8.8	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Dibenz(a,h)anthracene	<39		39	11	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Diethyl phthalate	<200		200	65	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Dimethyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Di-n-butyl phthalate	<200		200	49	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Di-n-octyl phthalate	<200		200	79	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Fluoranthene	<39		39	16	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Fluorene	<39		39	8.9	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Hexachlorobenzene	<79		79	7.7	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Hexachlorobutadiene	<200		200	51	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Hexachlorocyclopentadiene	<790		790	180	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Hexachloroethane	<200		200	42	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-4(0-4)-092313
Date Collected: 09/23/13 10:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-9
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	13	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Isophorone	<200		200	44	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Naphthalene	<39		39	7.5	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Nitrobenzene	<39		39	12	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
N-Nitrosodiphenylamine	<200		200	53	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Pentachlorophenol	<790		790	200	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Phenanthrene	<39		39	16	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Phenol	<200		200	62	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1
Pyrene	<39		39	14	ug/Kg	☼	09/24/13 07:17	09/26/13 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*09/24/13 07:17*	*09/26/13 23:19*	*1*
2-Fluorobiphenyl	*39*		*25 - 119*	*09/24/13 07:17*	*09/26/13 23:19*	*1*
2-Fluorophenol	*52*		*25 - 110*	*09/24/13 07:17*	*09/26/13 23:19*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/24/13 07:17*	*09/26/13 23:19*	*1*
Phenol-d5	*40*		*31 - 110*	*09/24/13 07:17*	*09/26/13 23:19*	*1*
Terphenyl-d14	*85*		*36 - 134*	*09/24/13 07:17*	*09/26/13 23:19*	*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		10/02/13 10:30	10/04/13 01:58	1
Barium	**0.99**	**B**	0.50	0.010	mg/L		10/02/13 10:30	10/04/13 01:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/02/13 10:30	10/04/13 01:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/02/13 10:30	10/04/13 01:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:58	1
Cobalt	**0.0098**	**J**	0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 01:58	1
Copper	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:58	1
Iron	<0.20		0.20	0.20	mg/L		10/02/13 10:30	10/04/13 01:58	1
Lead	**0.0050**	**J**	0.0075	0.0050	mg/L		10/02/13 10:30	10/04/13 01:58	1
Manganese	**4.1**		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:58	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		10/02/13 10:30	10/04/13 01:58	1
Selenium	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 01:58	1
Silver	<0.025		0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 01:58	1
Zinc	**0.51**	**B**	0.10	0.020	mg/L		10/02/13 10:30	10/04/13 01:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.081**		0.050	0.010	mg/L		10/01/13 10:00	10/05/13 17:02	1
Barium	**1.4**		0.50	0.010	mg/L		10/01/13 10:00	10/05/13 17:02	1
Beryllium	**0.0080**		0.0040	0.0040	mg/L		10/01/13 10:00	10/05/13 17:02	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		10/01/13 10:00	10/05/13 17:02	1
Chromium	**0.16**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:02	1
Cobalt	**0.078**		0.025	0.0050	mg/L		10/01/13 10:00	10/05/13 17:02	1
Copper	**0.20**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:02	1
Iron	**170**		0.20	0.20	mg/L		10/01/13 10:00	10/05/13 17:02	1
Lead	**0.11**		0.0075	0.0050	mg/L		10/01/13 10:00	10/05/13 17:02	1
Manganese	**1.6**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:02	1
Nickel	**0.20**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:02	1
Selenium	<0.050		0.050	0.010	mg/L		10/01/13 10:00	10/05/13 17:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-4(0-4)-092313
Date Collected: 09/23/13 10:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-9
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	0.0050	mg/L		10/01/13 10:00	10/05/13 17:02	1
Zinc	**1.0**		0.10	0.020	mg/L		10/01/13 10:00	10/05/13 17:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**	**B**	11	1.0	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Arsenic	**5.8**		0.57	0.11	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Barium	**34**		0.57	0.061	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Beryllium	**0.47**		0.23	0.020	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Cadmium	**0.20**	**B**	0.11	0.014	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Calcium	**60000**	**B**	110	31	mg/Kg	☼	09/24/13 09:45	09/30/13 11:16	10
Chromium	**13**		0.57	0.066	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Cobalt	**9.5**		0.28	0.020	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Copper	**18**		0.57	0.050	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Iron	**16000**		11	4.7	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Lead	**12**	**B**	0.28	0.084	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Magnesium	**27000**	**B**	5.7	1.2	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Manganese	**290**		0.57	0.031	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Nickel	**25**		0.57	0.056	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Potassium	**1500**		28	1.7	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Sodium	**1200**		57	7.6	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Strontium	**27**	**B ^**	0.28	0.011	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Vanadium	**16**		0.28	0.042	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1
Zinc	**49**	**B**	1.1	0.23	mg/Kg	☼	09/24/13 09:45	09/29/13 15:03	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J B**	0.20	0.020	ug/L		10/02/13 15:25	10/03/13 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.26**	**B**	0.20	0.020	ug/L		10/01/13 16:00	10/02/13 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	**27**		19	8.9	ug/Kg	☼	09/24/13 15:45	09/25/13 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.72**		0.200	0.200	SU			10/01/13 13:57	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-4(4-8)-092313
Date Collected: 09/23/13 10:30
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-10
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	J	5.9	2.6	ug/Kg	☼		09/27/13 14:46	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		09/27/13 14:46	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/27/13 14:46	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		09/27/13 14:46	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		09/27/13 14:46	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		09/27/13 14:46	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		09/27/13 14:46	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		09/27/13 14:46	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		09/27/13 14:46	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		09/27/13 14:46	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		09/27/13 14:46	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		09/27/13 14:46	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		09/27/13 14:46	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/27/13 14:46	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		09/27/13 14:46	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		09/27/13 14:46	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		09/27/13 14:46	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		09/27/13 14:46	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		09/27/13 14:46	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		09/27/13 14:46	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		09/27/13 14:46	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		09/27/13 14:46	1
Methyl Ethyl Ketone	<5.9		5.9	2.2	ug/Kg	☼		09/27/13 14:46	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		09/27/13 14:46	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		09/27/13 14:46	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		09/27/13 14:46	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/27/13 14:46	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		09/27/13 14:46	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		09/27/13 14:46	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		09/27/13 14:46	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		09/27/13 14:46	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		09/27/13 14:46	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		09/27/13 14:46	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		09/27/13 14:46	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		09/27/13 14:46	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		09/27/13 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*09/27/13 14:46*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*09/27/13 14:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 134*		*09/27/13 14:46*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*09/27/13 14:46*	*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	43	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
1,2-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
1,3-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
1,4-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-4(4-8)-092313
Date Collected: 09/23/13 10:30
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-10
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	<380		380	110	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2,4,6-Trichlorophenol	<380		380	48	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2,4-Dichlorophenol	<380		380	120	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2,4-Dimethylphenol	<380		380	120	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2,4-Dinitrophenol	<770		770	200	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2,6-Dinitrotoluene	<190		190	46	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2-Chlorophenol	<190		190	55	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2-Methylnaphthalene	<190		190	50	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2-Methylphenol	<190		190	51	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2-Nitroaniline	<190		190	69	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
2-Nitrophenol	<380		380	60	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
3 & 4 Methylphenol	<190		190	73	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
3,3'-Dichlorobenzidine	<190		190	32	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
3-Nitroaniline	<380		380	74	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
4,6-Dinitro-2-methylphenol	<380		380	93	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
4-Bromophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
4-Chloro-3-methylphenol	<380		380	180	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
4-Chloroaniline	<770		770	120	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
4-Chlorophenyl phenyl ether	<190		190	60	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
4-Nitroaniline	<380		380	79	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
4-Nitrophenol	<770		770	210	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Acenaphthene	<38		38	11	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Acenaphthylene	<38		38	8.8	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Anthracene	<38		38	9.0	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Benzo[a]anthracene	**9.4**	**J**	38	8.0	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Benzo[a]pyrene	**31**	**J**	38	7.0	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Benzo[b]fluoranthene	**27**	**J**	38	7.5	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Benzo[g,h,i]perylene	**31**	**J**	38	13	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Benzo[k]fluoranthene	**30**	**J**	38	9.2	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Bis(2-chloroethoxy)methane	<190		190	42	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Bis(2-ethylhexyl) phthalate	<190		190	51	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Butyl benzyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Carbazole	<190		190	54	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Chrysene	**27**	**J**	38	8.7	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Dibenz(a,h)anthracene	**12**	**J**	38	11	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Dibenzofuran	<190		190	46	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Di-n-butyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Di-n-octyl phthalate	<190		190	78	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Fluoranthene	**66**		38	16	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Fluorene	<38		38	8.7	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Hexachlorobenzene	<77		77	7.6	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Hexachlorobutadiene	<190		190	50	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Hexachlorocyclopentadiene	<770		770	180	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Hexachloroethane	<190		190	41	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-4(4-8)-092313
Date Collected: 09/23/13 10:30
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-10
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	28	J	38	13	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Isophorone	<190		190	43	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Naphthalene	<38		38	7.4	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Nitrobenzene	<38		38	12	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
N-Nitrosodi-n-propylamine	<190		190	49	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
N-Nitrosodiphenylamine	<190		190	52	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Pentachlorophenol	<770		770	200	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Phenanthrene	26	J	38	16	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Phenol	<190		190	61	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1
Pyrene	37	J	38	14	ug/Kg	☼	09/24/13 07:17	09/26/13 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*35 - 137*	*09/24/13 07:17*	*09/26/13 23:39*	*1*
2-Fluorobiphenyl	*43*		*25 - 119*	*09/24/13 07:17*	*09/26/13 23:39*	*1*
2-Fluorophenol	*51*		*25 - 110*	*09/24/13 07:17*	*09/26/13 23:39*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*09/24/13 07:17*	*09/26/13 23:39*	*1*
Phenol-d5	*39*		*31 - 110*	*09/24/13 07:17*	*09/26/13 23:39*	*1*
Terphenyl-d14	*90*		*36 - 134*	*09/24/13 07:17*	*09/26/13 23:39*	*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		10/02/13 10:30	10/04/13 02:04	1
Barium	0.99	B	0.50	0.010	mg/L		10/02/13 10:30	10/04/13 02:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/02/13 10:30	10/04/13 02:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/02/13 10:30	10/04/13 02:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:04	1
Cobalt	0.0051	J	0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 02:04	1
Copper	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:04	1
Iron	<0.20		0.20	0.20	mg/L		10/02/13 10:30	10/04/13 02:04	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/02/13 10:30	10/04/13 02:04	1
Manganese	1.2		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:04	1
Nickel	0.011	J	0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:04	1
Selenium	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 02:04	1
Silver	<0.025		0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 02:04	1
Zinc	0.55	B	0.10	0.020	mg/L		10/02/13 10:30	10/04/13 02:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		10/01/13 10:00	10/05/13 17:08	1
Barium	0.93		0.50	0.010	mg/L		10/01/13 10:00	10/05/13 17:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/01/13 10:00	10/05/13 17:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/01/13 10:00	10/05/13 17:08	1
Chromium	0.065		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:08	1
Cobalt	0.018	J	0.025	0.0050	mg/L		10/01/13 10:00	10/05/13 17:08	1
Copper	0.083		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:08	1
Iron	63		0.20	0.20	mg/L		10/01/13 10:00	10/05/13 17:08	1
Lead	0.037		0.0075	0.0050	mg/L		10/01/13 10:00	10/05/13 17:08	1
Manganese	0.46		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:08	1
Nickel	0.062		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:08	1
Selenium	<0.050		0.050	0.010	mg/L		10/01/13 10:00	10/05/13 17:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-4(4-8)-092313
Date Collected: 09/23/13 10:30
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-10
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	0.0050	mg/L		10/01/13 10:00	10/05/13 17:08	1
Zinc	**0.70**		0.10	0.020	mg/L		10/01/13 10:00	10/05/13 17:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**	**B**	11	1.1	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Arsenic	**5.1**		0.57	0.11	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Barium	**36**		0.57	0.061	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Beryllium	**0.45**		0.23	0.020	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Cadmium	**0.24**	**B**	0.11	0.015	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Calcium	**71000**	**B**	110	31	mg/Kg	☼	09/24/13 09:45	09/30/13 11:20	10
Chromium	**15**		0.57	0.067	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Cobalt	**7.1**		0.29	0.020	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Copper	**21**		0.57	0.051	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Iron	**16000**		11	4.7	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Lead	**13**	**B**	0.29	0.086	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Magnesium	**32000**	**B**	5.7	1.2	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Manganese	**260**		0.57	0.031	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Nickel	**23**		0.57	0.056	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Potassium	**1900**		29	1.7	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Selenium	**0.45**	**J**	0.57	0.20	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Sodium	**810**		57	7.7	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Strontium	**30**	**B ^**	0.29	0.012	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Vanadium	**18**		0.29	0.042	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1
Zinc	**55**	**B**	1.1	0.23	mg/Kg	☼	09/24/13 09:45	09/29/13 15:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/02/13 15:25	10/03/13 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.098**	**J B**	0.20	0.020	ug/L		10/01/13 16:00	10/02/13 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	**24**		18	8.3	ug/Kg	☼	09/24/13 15:45	09/25/13 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.32**		0.200	0.200	SU			10/01/13 14:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-5(0-4)-092313
Date Collected: 09/23/13 10:55
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-11
Matrix: Solid
Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	65		6.0	2.6	ug/Kg	☼		09/27/13 12:39	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		09/27/13 12:39	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/27/13 12:39	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		09/27/13 12:39	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		09/27/13 12:39	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		09/27/13 12:39	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		09/27/13 12:39	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		09/27/13 12:39	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		09/27/13 12:39	1
Chloroform	<6.0		6.0	0.68	ug/Kg	☼		09/27/13 12:39	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		09/27/13 12:39	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		09/27/13 12:39	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		09/27/13 12:39	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/27/13 12:39	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		09/27/13 12:39	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		09/27/13 12:39	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		09/27/13 12:39	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		09/27/13 12:39	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		09/27/13 12:39	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		09/27/13 12:39	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		09/27/13 12:39	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		09/27/13 12:39	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		09/27/13 12:39	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		09/27/13 12:39	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		09/27/13 12:39	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		09/27/13 12:39	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/27/13 12:39	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		09/27/13 12:39	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		09/27/13 12:39	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		09/27/13 12:39	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		09/27/13 12:39	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		09/27/13 12:39	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		09/27/13 12:39	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		09/27/13 12:39	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		09/27/13 12:39	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		09/27/13 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*09/27/13 12:39*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*09/27/13 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*70 - 134*		*09/27/13 12:39*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*09/27/13 12:39*	*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	43	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
1,2-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
1,3-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
1,4-Dichlorobenzene	<190		190	40	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-5(0-4)-092313
Date Collected: 09/23/13 10:55
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-11
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	<380		380	110	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2,4,6-Trichlorophenol	<380		380	48	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2,4-Dichlorophenol	<380		380	120	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2,4-Dimethylphenol	<380		380	120	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2,4-Dinitrophenol	<770		770	200	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2,6-Dinitrotoluene	<190		190	45	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2-Chlorophenol	<190		190	55	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2-Methylnaphthalene	<190		190	50	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2-Methylphenol	<190		190	51	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2-Nitroaniline	<190		190	69	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
2-Nitrophenol	<380		380	60	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
3 & 4 Methylphenol	<190		190	72	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
3,3'-Dichlorobenzidine	<190		190	32	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
3-Nitroaniline	<380		380	74	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
4,6-Dinitro-2-methylphenol	<380		380	93	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
4-Bromophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
4-Chloro-3-methylphenol	<380		380	180	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
4-Chloroaniline	<770		770	120	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
4-Chlorophenyl phenyl ether	<190		190	60	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
4-Nitroaniline	<380		380	78	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
4-Nitrophenol	<770		770	210	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Acenaphthene	<38		38	11	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Acenaphthylene	<38		38	8.8	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Anthracene	<38		38	9.0	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Benzo[a]anthracene	<38		38	8.0	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Benzo[a]pyrene	<38		38	7.0	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Benzo[b]fluoranthene	<38		38	7.4	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Benzo[g,h,i]perylene	<38		38	13	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Benzo[k]fluoranthene	<38		38	9.1	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Bis(2-chloroethoxy)methane	<190		190	42	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Bis(2-ethylhexyl) phthalate	<190		190	51	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Butyl benzyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Carbazole	<190		190	54	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Chrysene	<38		38	8.6	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Dibenz(a,h)anthracene	<38		38	11	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Dibenzofuran	<190		190	46	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Di-n-butyl phthalate	<190		190	48	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Di-n-octyl phthalate	<190		190	77	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Fluoranthene	<38		38	16	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Fluorene	<38		38	8.7	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Hexachlorobenzene	<77		77	7.5	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Hexachlorobutadiene	<190		190	50	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Hexachlorocyclopentadiene	<770		770	180	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Hexachloroethane	<190		190	41	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-5(0-4)-092313
Date Collected: 09/23/13 10:55
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-11
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	<38		38	13	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Isophorone	<190		190	43	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Naphthalene	<38		38	7.4	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Nitrobenzene	<38		38	12	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
N-Nitrosodi-n-propylamine	<190		190	49	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
N-Nitrosodiphenylamine	<190		190	52	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Pentachlorophenol	<770		770	190	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Phenanthrene	<38		38	16	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Phenol	<190		190	60	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1
Pyrene	<38		38	14	ug/Kg	☼	09/24/13 07:17	09/26/13 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*35 - 137*	*09/24/13 07:17*	*09/26/13 20:17*	*1*
2-Fluorobiphenyl	*33*		*25 - 119*	*09/24/13 07:17*	*09/26/13 20:17*	*1*
2-Fluorophenol	*49*		*25 - 110*	*09/24/13 07:17*	*09/26/13 20:17*	*1*
Nitrobenzene-d5	*32*		*25 - 115*	*09/24/13 07:17*	*09/26/13 20:17*	*1*
Phenol-d5	*34*		*31 - 110*	*09/24/13 07:17*	*09/26/13 20:17*	*1*
Terphenyl-d14	*78*		*36 - 134*	*09/24/13 07:17*	*09/26/13 20:17*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 02:10	1
Barium	**1.0**	**B**	0.50	0.010	mg/L		10/02/13 10:30	10/04/13 02:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/02/13 10:30	10/04/13 02:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/02/13 10:30	10/04/13 02:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:10	1
Cobalt	**0.017**	**J**	0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 02:10	1
Copper	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:10	1
Iron	<0.20		0.20	0.20	mg/L		10/02/13 10:30	10/04/13 02:10	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/02/13 10:30	10/04/13 02:10	1
Manganese	**7.9**		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:10	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:10	1
Selenium	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 02:10	1
Silver	<0.025		0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 02:10	1
Zinc	**0.55**	**B**	0.10	0.020	mg/L		10/02/13 10:30	10/04/13 02:10	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		10/01/13 10:00	10/05/13 17:14	1
Barium	**1.1**		0.50	0.010	mg/L		10/01/13 10:00	10/05/13 17:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/01/13 10:00	10/05/13 17:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/01/13 10:00	10/05/13 17:14	1
Chromium	**0.067**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:14	1
Cobalt	**0.025**		0.025	0.0050	mg/L		10/01/13 10:00	10/05/13 17:14	1
Copper	**0.076**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:14	1
Iron	**63**		0.20	0.20	mg/L		10/01/13 10:00	10/05/13 17:14	1
Lead	**0.081**		0.0075	0.0050	mg/L		10/01/13 10:00	10/05/13 17:14	1
Manganese	**1.3**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:14	1
Nickel	**0.056**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:14	1
Selenium	<0.050		0.050	0.010	mg/L		10/01/13 10:00	10/05/13 17:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-5(0-4)-092313
Date Collected: 09/23/13 10:55
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/01/13 10:00	10/05/13 17:14	1
Zinc	**0.78**		0.10	0.020	mg/L		10/01/13 10:00	10/05/13 17:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**	**B**	11	1.0	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Arsenic	**6.0**		0.57	0.11	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Barium	**42**		0.57	0.061	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Beryllium	**0.36**		0.23	0.020	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Cadmium	**0.24**	**B**	0.11	0.014	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Calcium	**64000**	**B**	110	31	mg/Kg	☼	09/24/13 09:45	09/30/13 11:24	10
Chromium	**9.6**		0.57	0.066	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Cobalt	**7.2**		0.28	0.020	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Copper	**14**		0.57	0.050	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Iron	**13000**		11	4.7	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Lead	**17**	**B**	0.28	0.085	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Magnesium	**31000**	**B**	5.7	1.2	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Manganese	**390**		0.57	0.031	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Nickel	**16**		0.57	0.056	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Potassium	**800**		28	1.7	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Selenium	**0.59**		0.57	0.20	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Silver	<0.28		0.28	0.021	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Sodium	**1600**		57	7.6	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Strontium	**18**	**B ^**	0.28	0.011	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Vanadium	**15**		0.28	0.042	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1
Zinc	**52**	**B**	1.1	0.23	mg/Kg	☼	09/24/13 09:45	09/29/13 15:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/02/13 15:25	10/03/13 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**	**J B**	0.20	0.020	ug/L		10/01/13 16:00	10/02/13 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	**22**		19	8.8	ug/Kg	☼	09/24/13 15:45	09/25/13 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.72**		0.200	0.200	SU			10/01/13 14:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-5(4-8)-092313
Date Collected: 09/23/13 11:00
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-12
Matrix: Solid
Percent Solids: 76.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**140**		6.6	2.8	ug/Kg	☼		09/27/13 13:02	1
Benzene	<6.6		6.6	0.90	ug/Kg	☼		09/27/13 13:02	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg	☼		09/27/13 13:02	1
Bromoform	<6.6		6.6	1.5	ug/Kg	☼		09/27/13 13:02	1
Bromomethane	<6.6		6.6	2.0	ug/Kg	☼		09/27/13 13:02	1
Carbon disulfide	<6.6		6.6	0.98	ug/Kg	☼		09/27/13 13:02	1
Carbon tetrachloride	<6.6		6.6	1.2	ug/Kg	☼		09/27/13 13:02	1
Chlorobenzene	<6.6		6.6	0.67	ug/Kg	☼		09/27/13 13:02	1
Chloroethane	<6.6		6.6	1.8	ug/Kg	☼		09/27/13 13:02	1
Chloroform	<6.6		6.6	0.75	ug/Kg	☼		09/27/13 13:02	1
Chloromethane	<6.6		6.6	1.4	ug/Kg	☼		09/27/13 13:02	1
cis-1,2-Dichloroethene	<6.6		6.6	0.93	ug/Kg	☼		09/27/13 13:02	1
cis-1,3-Dichloropropene	<6.6		6.6	0.86	ug/Kg	☼		09/27/13 13:02	1
Dibromochloromethane	<6.6		6.6	1.1	ug/Kg	☼		09/27/13 13:02	1
1,1-Dichloroethane	<6.6		6.6	1.0	ug/Kg	☼		09/27/13 13:02	1
1,2-Dichloroethane	<6.6		6.6	0.97	ug/Kg	☼		09/27/13 13:02	1
1,1-Dichloroethene	<6.6		6.6	1.1	ug/Kg	☼		09/27/13 13:02	1
1,2-Dichloropropane	<6.6		6.6	1.0	ug/Kg	☼		09/27/13 13:02	1
1,3-Dichloropropene, Total	<6.6		6.6	0.86	ug/Kg	☼		09/27/13 13:02	1
Ethylbenzene	<6.6		6.6	1.3	ug/Kg	☼		09/27/13 13:02	1
2-Hexanone	<6.6		6.6	1.9	ug/Kg	☼		09/27/13 13:02	1
Methylene Chloride	<6.6		6.6	1.8	ug/Kg	☼		09/27/13 13:02	1
Methyl Ethyl Ketone	**36**		6.6	2.4	ug/Kg	☼		09/27/13 13:02	1
methyl isobutyl ketone	<6.6		6.6	1.7	ug/Kg	☼		09/27/13 13:02	1
Methyl tert-butyl ether	<6.6		6.6	1.1	ug/Kg	☼		09/27/13 13:02	1
Styrene	<6.6		6.6	0.86	ug/Kg	☼		09/27/13 13:02	1
1,1,2,2-Tetrachloroethane	<6.6		6.6	1.3	ug/Kg	☼		09/27/13 13:02	1
Tetrachloroethene	<6.6		6.6	1.0	ug/Kg	☼		09/27/13 13:02	1
Toluene	<6.6		6.6	0.92	ug/Kg	☼		09/27/13 13:02	1
trans-1,2-Dichloroethene	<6.6		6.6	0.90	ug/Kg	☼		09/27/13 13:02	1
trans-1,3-Dichloropropene	<6.6		6.6	1.2	ug/Kg	☼		09/27/13 13:02	1
1,1,1-Trichloroethane	<6.6		6.6	0.98	ug/Kg	☼		09/27/13 13:02	1
1,1,2-Trichloroethane	<6.6		6.6	0.90	ug/Kg	☼		09/27/13 13:02	1
Trichloroethene	<6.6		6.6	1.1	ug/Kg	☼		09/27/13 13:02	1
Vinyl chloride	<6.6		6.6	1.4	ug/Kg	☼		09/27/13 13:02	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		09/27/13 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*09/27/13 13:02*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*09/27/13 13:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 134*		*09/27/13 13:02*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*09/27/13 13:02*	*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	48	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
1,2-Dichlorobenzene	<210		210	46	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
1,3-Dichlorobenzene	<210		210	45	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
1,4-Dichlorobenzene	<210		210	45	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-5(4-8)-092313
Date Collected: 09/23/13 11:00
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-12
Matrix: Solid
Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	120	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2,4,6-Trichlorophenol	<420		420	53	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2,4-Dichlorophenol	<420		420	130	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2,4-Dimethylphenol	<420		420	130	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2,4-Dinitrophenol	<850		850	220	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2,6-Dinitrotoluene	<210		210	50	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2-Chloronaphthalene	<210		210	48	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2-Chlorophenol	<210		210	61	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2-Methylnaphthalene	<210		210	55	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2-Methylphenol	<210		210	56	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2-Nitroaniline	<210		210	76	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
2-Nitrophenol	<420		420	66	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
3 & 4 Methylphenol	<210		210	80	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
3,3'-Dichlorobenzidine	<210		210	35	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
3-Nitroaniline	<420		420	82	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
4,6-Dinitro-2-methylphenol	<420		420	100	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
4-Bromophenyl phenyl ether	<210		210	47	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
4-Chloro-3-methylphenol	<420		420	200	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
4-Chloroaniline	<850		850	130	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
4-Chlorophenyl phenyl ether	<210		210	67	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
4-Nitroaniline	<420		420	87	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
4-Nitrophenol	<850		850	230	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Acenaphthene	<42		42	13	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Acenaphthylene	<42		42	9.7	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Anthracene	<42		42	10	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Benzo[a]anthracene	<42		42	8.9	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Benzo[a]pyrene	<42		42	7.7	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Benzo[b]fluoranthene	<42		42	8.2	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Benzo[g,h,i]perylene	<42		42	14	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Benzo[k]fluoranthene	<42		42	10	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Bis(2-chloroethoxy)methane	<210		210	47	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Bis(2-ethylhexyl) phthalate	<210		210	56	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Butyl benzyl phthalate	<210		210	53	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Carbazole	<210		210	60	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Chrysene	<42		42	9.6	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Dibenz(a,h)anthracene	<42		42	12	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Dibenzofuran	<210		210	51	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Di-n-butyl phthalate	<210		210	53	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Di-n-octyl phthalate	<210		210	86	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Fluoranthene	<42		42	17	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Fluorene	<42		42	9.6	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Hexachlorobenzene	<85		85	8.3	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Hexachlorobutadiene	<210		210	56	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Hexachlorocyclopentadiene	<850		850	200	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Hexachloroethane	<210		210	45	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-5(4-8)-092313
Date Collected: 09/23/13 11:00
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-12
Matrix: Solid
Percent Solids: 76.2

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	<42		42	14	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Isophorone	<210		210	47	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Naphthalene	<42		42	8.2	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Nitrobenzene	<42		42	13	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
N-Nitrosodi-n-propylamine	<210		210	54	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
N-Nitrosodiphenylamine	<210		210	57	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Pentachlorophenol	<850		850	220	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Phenanthrene	<42		42	18	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Phenol	<210		210	67	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1
Pyrene	<42		42	15	ug/Kg	☼	09/24/13 07:17	09/26/13 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*50*		*35 - 137*	*09/24/13 07:17*	*09/26/13 20:37*	*1*
2-Fluorobiphenyl	*31*		*25 - 119*	*09/24/13 07:17*	*09/26/13 20:37*	*1*
2-Fluorophenol	*39*		*25 - 110*	*09/24/13 07:17*	*09/26/13 20:37*	*1*
Nitrobenzene-d5	*34*		*25 - 115*	*09/24/13 07:17*	*09/26/13 20:37*	*1*
Phenol-d5	*26*	*X*	*31 - 110*	*09/24/13 07:17*	*09/26/13 20:37*	*1*
Terphenyl-d14	*49*		*36 - 134*	*09/24/13 07:17*	*09/26/13 20:37*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 02:16	1
Barium	**0.89**	**B**	0.50	0.010	mg/L		10/02/13 10:30	10/04/13 02:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/02/13 10:30	10/04/13 02:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/02/13 10:30	10/04/13 02:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:16	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 02:16	1
Copper	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:16	1
Iron	<0.20		0.20	0.20	mg/L		10/02/13 10:30	10/04/13 02:16	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/02/13 10:30	10/04/13 02:16	1
Manganese	**0.41**		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:16	1
Nickel	<0.025		0.025	0.010	mg/L		10/02/13 10:30	10/04/13 02:16	1
Selenium	<0.050		0.050	0.010	mg/L		10/02/13 10:30	10/04/13 02:16	1
Silver	<0.025		0.025	0.0050	mg/L		10/02/13 10:30	10/04/13 02:16	1
Zinc	**0.53**	**B**	0.10	0.020	mg/L		10/02/13 10:30	10/04/13 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/01/13 10:00	10/05/13 17:35	1
Barium	**0.82**		0.50	0.010	mg/L		10/01/13 10:00	10/05/13 17:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/01/13 10:00	10/05/13 17:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/01/13 10:00	10/05/13 17:35	1
Chromium	**0.011**	**J**	0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:35	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/01/13 10:00	10/05/13 17:35	1
Copper	<0.025		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:35	1
Iron	**3.5**		0.20	0.20	mg/L		10/01/13 10:00	10/05/13 17:35	1
Lead	**0.0065**	**J**	0.0075	0.0050	mg/L		10/01/13 10:00	10/05/13 17:35	1
Manganese	**0.032**		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:35	1
Nickel	<0.025		0.025	0.010	mg/L		10/01/13 10:00	10/05/13 17:35	1
Selenium	<0.050		0.050	0.010	mg/L		10/01/13 10:00	10/05/13 17:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Client Sample ID: RE9-5(4-8)-092313
Date Collected: 09/23/13 11:00
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63500-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/01/13 10:00	10/05/13 17:35	1
Zinc	**0.59**		0.10	0.020	mg/L		10/01/13 10:00	10/05/13 17:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2800**	**B**	13	1.2	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Antimony	<1.3		1.3	0.51	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Arsenic	**2.2**		0.64	0.13	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Barium	**28**		0.64	0.068	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Beryllium	**0.18**	**J**	0.25	0.022	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Cadmium	**0.20**	**B**	0.13	0.016	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Calcium	**33000**	**B**	13	3.4	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Chromium	**5.4**		0.64	0.074	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Cobalt	**2.2**		0.32	0.023	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Copper	**6.3**		0.64	0.056	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Iron	**4400**		13	5.2	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Lead	**3.9**	**B**	0.32	0.095	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Magnesium	**20000**	**B**	6.4	1.3	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Manganese	**70**		0.64	0.035	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Nickel	**6.6**		0.64	0.062	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Potassium	**190**		32	1.9	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Selenium	**0.51**	**J**	0.64	0.23	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Silver	<0.32		0.32	0.023	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Sodium	**1300**		64	8.5	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Strontium	**14**	**B ^**	0.32	0.013	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Thallium	<0.64		0.64	0.27	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Vanadium	**11**		0.32	0.047	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1
Zinc	**15**	**B**	1.3	0.26	mg/Kg	☼	09/24/13 09:45	09/29/13 15:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.056**	**J B**	0.20	0.020	ug/L		10/02/13 15:25	10/03/13 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.048**	**J B**	0.20	0.020	ug/L		10/01/13 16:00	10/02/13 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		20	9.4	ug/Kg	☼	09/24/13 15:45	09/25/13 13:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.81**		0.200	0.200	SU			10/01/13 14:10	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - North Barrington - 016

TestAmerica Job ID: 500-63500-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	10-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-63500 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct, Ste500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-63500

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 4.5

Client: Weston | Client Project #:

Project Name: IDOT - 016

Project Location/State: North Barrington, IL | Lab Project #:

Sampler: Dan Cukierski | Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH					Comments
1		RV-3(0-3)-092313	9/23/13	0825	2	S	X	X	X	X	X					
2		RV-3(0-3)-092313D	9/23/13	0825	2	S	X	X	X	X	X					
3		RV-2(0-3)-092313	9/23/13	0845	2	S	X	X	X	X	X					
4		RV-1(0-3)-092313	9/23/13	0900	2	S	X	X	X	X	X					
5		RE3-2(0-4)-092313	9/23/13	0920	2	S	X	X	X	X	X					
6		RE3-2(4-8)-092313	9/23/13	0925	2	S	X	X	X	X	X					
7		RE3-1(0-4)-092313	9/23/13	0945	2	S	X	X	X	X	X					
8		RE3-1(4-8)-092313	9/23/13	0950	2	S	X	X	X	X	X					
9		RE4-4(0-4)-092313	9/23/13	1020	2	S	X	X	X	X	X					
10		RE4-4(4-8)-092313	9/23/13	1030	2	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	9/23/13	1445		TA	9/23/13	1445
	TA	9/23/13	1605		TA	9/24/13	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct, Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-63500
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-016
Project Location/State: North Barrington, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	Hg					Comments
11		RE9-5(0-4)-092313	9/23/13	1055	2	5	X	X	X	X	X					
12		RE9-5(4-8)-092313	9/23/13	1100	2	5	X	X	X	X	X					
13		WL-2(0-4)-092313	9/23/13	1120	2	5	X	X	X	X	X					
14		WL-1(0-4)-092313	9/23/13	1135	2	5	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	9/23/13	1445		TA	9/23/13	1445
	TA	9/23/13	1605		TA	9/24/13	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-63498-1
Client Project/Site: IDOT - North Barrington - 016

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
10/9/2013 3:43:22 PM

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

Client Sample ID: RE9-1(0-4)-092313
Date Collected: 09/23/13 08:15
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-1
Matrix: Solid
Percent Solids: 80.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		09/25/13 12:19	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		09/25/13 12:19	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		09/25/13 12:19	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		09/25/13 12:19	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		09/25/13 12:19	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		09/25/13 12:19	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		09/25/13 12:19	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		09/25/13 12:19	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		09/25/13 12:19	1
Chloroform	<6.2		6.2	0.72	ug/Kg	☼		09/25/13 12:19	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		09/25/13 12:19	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		09/25/13 12:19	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		09/25/13 12:19	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		09/25/13 12:19	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		09/25/13 12:19	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		09/25/13 12:19	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		09/25/13 12:19	1
1,2-Dichloropropane	<6.2		6.2	0.95	ug/Kg	☼		09/25/13 12:19	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		09/25/13 12:19	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		09/25/13 12:19	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		09/25/13 12:19	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		09/25/13 12:19	1
Methyl Ethyl Ketone	<6.2		6.2	2.3	ug/Kg	☼		09/25/13 12:19	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		09/25/13 12:19	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		09/25/13 12:19	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		09/25/13 12:19	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		09/25/13 12:19	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		09/25/13 12:19	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		09/25/13 12:19	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	☼		09/25/13 12:19	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		09/25/13 12:19	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		09/25/13 12:19	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		09/25/13 12:19	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		09/25/13 12:19	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		09/25/13 12:19	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		09/25/13 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*09/25/13 12:19*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*09/25/13 12:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 134*		*09/25/13 12:19*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*09/25/13 12:19*	*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	46	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
1,2-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
1,3-Dichlorobenzene	<200		200	43	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
1,4-Dichlorobenzene	<200		200	43	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-1(0-4)-092313
Date Collected: 09/23/13 08:15
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-1
Matrix: Solid
Percent Solids: 80.3

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	120	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2,4,6-Trichlorophenol	<400		400	51	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2,4-Dichlorophenol	<400		400	120	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2,4-Dimethylphenol	<400		400	130	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2,4-Dinitrophenol	<820	*	820	210	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2,6-Dinitrotoluene	<200		200	48	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2-Chloronaphthalene	<200		200	46	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2-Chlorophenol	<200		200	58	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2-Methylnaphthalene	<200		200	53	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2-Methylphenol	<200		200	54	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2-Nitroaniline	<200		200	73	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
2-Nitrophenol	<400		400	64	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
3 & 4 Methylphenol	<200		200	77	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
3,3'-Dichlorobenzidine	<200		200	34	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
3-Nitroaniline	<400		400	79	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
4,6-Dinitro-2-methylphenol	<400		400	99	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
4-Bromophenyl phenyl ether	<200		200	45	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
4-Chloro-3-methylphenol	<400		400	190	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
4-Chloroaniline	<820		820	120	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
4-Chlorophenyl phenyl ether	<200		200	64	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
4-Nitroaniline	<400		400	83	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
4-Nitrophenol	<820		820	220	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Acenaphthene	<40		40	12	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Acenaphthylene	<40		40	9.4	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Anthracene	<40		40	9.6	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Benzo[a]anthracene	**14**	**J**	40	8.5	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Benzo[a]pyrene	**15**	**J**	40	7.4	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Benzo[b]fluoranthene	**25**	**J**	40	7.9	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Benzo[g,h,i]perylene	**17**	**J**	40	14	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Benzo[k]fluoranthene	**10**	**J**	40	9.7	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Bis(2-chloroethoxy)methane	<200		200	45	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Bis(2-ethylhexyl) phthalate	<200		200	54	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Butyl benzyl phthalate	<200		200	51	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Carbazole	<200		200	57	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Chrysene	**19**	**J**	40	9.2	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Dibenz(a,h)anthracene	<40		40	11	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Dibenzofuran	<200		200	49	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Di-n-butyl phthalate	<200		200	51	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Di-n-octyl phthalate	<200		200	83	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Fluoranthene	<40		40	17	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Fluorene	<40		40	9.3	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Hexachlorobenzene	<82		82	8.0	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Hexachlorobutadiene	<200		200	53	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Hexachlorocyclopentadiene	<820		820	190	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Hexachloroethane	<200		200	43	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-1(0-4)-092313
Date Collected: 09/23/13 08:15
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-1
Matrix: Solid
Percent Solids: 80.3

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	<40		40	14	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Isophorone	<200		200	45	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Naphthalene	<40		40	7.8	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Nitrobenzene	<40		40	13	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
N-Nitrosodi-n-propylamine	<200		200	52	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
N-Nitrosodiphenylamine	<200		200	55	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Pentachlorophenol	<820		820	210	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Phenanthrene	<40		40	17	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Phenol	<200		200	64	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1
Pyrene	<40		40	15	ug/Kg	☼	10/01/13 19:50	10/02/13 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*35 - 137*	*10/01/13 19:50*	*10/02/13 17:04*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*10/01/13 19:50*	*10/02/13 17:04*	*1*
2-Fluorophenol	*47*		*25 - 110*	*10/01/13 19:50*	*10/02/13 17:04*	*1*
Nitrobenzene-d5	*49*		*25 - 115*	*10/01/13 19:50*	*10/02/13 17:04*	*1*
Phenol-d5	*55*		*31 - 110*	*10/01/13 19:50*	*10/02/13 17:04*	*1*
Terphenyl-d14	*80*		*36 - 134*	*10/01/13 19:50*	*10/02/13 17:04*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 20:33	1
Barium	**1.3**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 20:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 20:33	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 20:33	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 20:33	1
Cobalt	**0.032**		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 20:33	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/04/13 20:33	1
Iron	**0.30**		0.20	0.20	mg/L		10/07/13 15:00	10/08/13 12:22	1
Lead	**0.024**		0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 20:33	1
Manganese	**7.1**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 20:33	1
Nickel	**0.026**		0.025	0.010	mg/L		09/30/13 07:45	10/05/13 12:38	1
Selenium	**0.013**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 20:33	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 20:33	1
Zinc	**0.85**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 20:33	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		09/30/13 07:45	10/01/13 12:01	1
Barium	**0.92**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 12:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 12:01	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 12:01	1
Chromium	**0.074**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:01	1
Cobalt	**0.026**		0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 12:01	1
Copper	**0.12**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:01	1
Iron	**72**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 12:01	1
Lead	**0.29**		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 12:01	1
Manganese	**0.98**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:01	1
Nickel	**0.072**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:01	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 12:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-1(0-4)-092313
Date Collected: 09/23/13 08:15
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-1
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	0.0050	mg/L		09/30/13 07:45	10/01/13 12:01	1
Zinc	**0.87**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 12:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**	**B**	12	1.1	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Antimony	<1.2		1.2	0.49	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Arsenic	**7.2**		0.61	0.12	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Barium	**51**	**B**	0.61	0.065	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Beryllium	**0.72**		0.24	0.022	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Cadmium	**0.93**		0.12	0.016	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Calcium	**55000**	**B**	12	3.3	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Chromium	**17**	**B**	0.61	0.071	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Cobalt	**5.9**		0.31	0.022	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Copper	**19**		0.61	0.054	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Iron	**17000**		12	5.0	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Lead	**98**	**B**	0.31	0.091	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Magnesium	**32000**	**B**	6.1	1.3	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Manganese	**340**	**B**	0.61	0.033	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Nickel	**15**	**B**	0.61	0.060	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Potassium	**1400**		31	1.8	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Selenium	<0.61		0.61	0.22	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Silver	<0.31		0.31	0.022	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Sodium	**2500**		61	8.2	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Strontium	**33**	**B**	0.31	0.012	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Thallium	<0.61		0.61	0.26	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Vanadium	**20**		0.31	0.045	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1
Zinc	**66**	**B**	1.2	0.25	mg/Kg	☼	09/24/13 08:56	10/04/13 22:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.082**	**J**	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	21	9.7	ug/Kg	☼	09/24/13 15:45	09/25/13 12:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.23**		0.200	0.200	SU			10/01/13 16:29	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-1(4-8)-092313
Date Collected: 09/23/13 08:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-2
Matrix: Solid
Percent Solids: 70.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**59**		7.1	3.1	ug/Kg	☼		09/25/13 13:28	1
Benzene	<7.1		7.1	0.97	ug/Kg	☼		09/25/13 13:28	1
Bromodichloromethane	<7.1		7.1	1.2	ug/Kg	☼		09/25/13 13:28	1
Bromoform	<7.1		7.1	1.6	ug/Kg	☼		09/25/13 13:28	1
Bromomethane	<7.1		7.1	2.1	ug/Kg	☼		09/25/13 13:28	1
Carbon disulfide	<7.1		7.1	1.1	ug/Kg	☼		09/25/13 13:28	1
Carbon tetrachloride	<7.1		7.1	1.3	ug/Kg	☼		09/25/13 13:28	1
Chlorobenzene	<7.1		7.1	0.72	ug/Kg	☼		09/25/13 13:28	1
Chloroethane	<7.1		7.1	1.9	ug/Kg	☼		09/25/13 13:28	1
Chloroform	<7.1		7.1	0.81	ug/Kg	☼		09/25/13 13:28	1
Chloromethane	<7.1		7.1	1.5	ug/Kg	☼		09/25/13 13:28	1
cis-1,2-Dichloroethene	<7.1		7.1	1.0	ug/Kg	☼		09/25/13 13:28	1
cis-1,3-Dichloropropene	<7.1		7.1	0.93	ug/Kg	☼		09/25/13 13:28	1
Dibromochloromethane	<7.1		7.1	1.2	ug/Kg	☼		09/25/13 13:28	1
1,1-Dichloroethane	<7.1		7.1	1.1	ug/Kg	☼		09/25/13 13:28	1
1,2-Dichloroethane	<7.1		7.1	1.0	ug/Kg	☼		09/25/13 13:28	1
1,1-Dichloroethene	<7.1		7.1	1.1	ug/Kg	☼		09/25/13 13:28	1
1,2-Dichloropropane	<7.1		7.1	1.1	ug/Kg	☼		09/25/13 13:28	1
1,3-Dichloropropene, Total	<7.1		7.1	0.93	ug/Kg	☼		09/25/13 13:28	1
Ethylbenzene	<7.1		7.1	1.4	ug/Kg	☼		09/25/13 13:28	1
2-Hexanone	<7.1		7.1	2.0	ug/Kg	☼		09/25/13 13:28	1
Methylene Chloride	<7.1		7.1	1.9	ug/Kg	☼		09/25/13 13:28	1
Methyl Ethyl Ketone	**11**		7.1	2.6	ug/Kg	☼		09/25/13 13:28	1
methyl isobutyl ketone	<7.1		7.1	1.9	ug/Kg	☼		09/25/13 13:28	1
Methyl tert-butyl ether	<7.1		7.1	1.2	ug/Kg	☼		09/25/13 13:28	1
Styrene	<7.1		7.1	0.93	ug/Kg	☼		09/25/13 13:28	1
1,1,2,2-Tetrachloroethane	<7.1		7.1	1.4	ug/Kg	☼		09/25/13 13:28	1
Tetrachloroethene	<7.1		7.1	1.1	ug/Kg	☼		09/25/13 13:28	1
Toluene	<7.1		7.1	0.99	ug/Kg	☼		09/25/13 13:28	1
trans-1,2-Dichloroethene	<7.1		7.1	0.97	ug/Kg	☼		09/25/13 13:28	1
trans-1,3-Dichloropropene	<7.1		7.1	1.3	ug/Kg	☼		09/25/13 13:28	1
1,1,1-Trichloroethane	<7.1		7.1	1.1	ug/Kg	☼		09/25/13 13:28	1
1,1,2-Trichloroethane	<7.1		7.1	0.96	ug/Kg	☼		09/25/13 13:28	1
Trichloroethene	<7.1		7.1	1.2	ug/Kg	☼		09/25/13 13:28	1
Vinyl chloride	<7.1		7.1	1.5	ug/Kg	☼		09/25/13 13:28	1
Xylenes, Total	<14		14	0.64	ug/Kg	☼		09/25/13 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*09/25/13 13:28*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*09/25/13 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 134*		*09/25/13 13:28*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*09/25/13 13:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<230		230	51	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
1,2-Dichlorobenzene	<230		230	49	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
1,3-Dichlorobenzene	<230		230	47	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
1,4-Dichlorobenzene	<230		230	47	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2,2'-oxybis[1-chloropropane]	<230		230	50	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-1(4-8)-092313
Date Collected: 09/23/13 08:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-2
Matrix: Solid
Percent Solids: 70.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<440		440	130	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2,4,6-Trichlorophenol	<440		440	56	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2,4-Dichlorophenol	<440		440	140	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2,4-Dimethylphenol	<440		440	140	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2,4-Dinitrophenol	<900		900	230	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2,4-Dinitrotoluene	<230		230	69	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2,6-Dinitrotoluene	<230		230	53	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2-Chloronaphthalene	<230		230	50	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2-Chlorophenol	<230		230	64	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2-Methylnaphthalene	<230		230	58	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2-Methylphenol	<230		230	59	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2-Nitroaniline	<230		230	81	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
2-Nitrophenol	<440		440	70	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
3 & 4 Methylphenol	<230		230	85	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
3,3'-Dichlorobenzidine	<230		230	37	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
3-Nitroaniline	<440		440	86	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
4,6-Dinitro-2-methylphenol	<440		440	110	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
4-Bromophenyl phenyl ether	<230		230	50	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
4-Chloro-3-methylphenol	<440		440	210	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
4-Chloroaniline	<900		900	140	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
4-Chlorophenyl phenyl ether	<230		230	70	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
4-Nitroaniline	<440		440	92	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
4-Nitrophenol	<900		900	240	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Acenaphthene	<44		44	13	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Acenaphthylene	<44		44	10	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Anthracene	<44		44	11	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Benzo[a]anthracene	<44		44	9.4	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Benzo[a]pyrene	**9.7**	**J**	44	8.2	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Benzo[b]fluoranthene	<44		44	8.7	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Benzo[g,h,i]perylene	<44		44	15	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Benzo[k]fluoranthene	<44		44	11	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Bis(2-chloroethoxy)methane	<230		230	49	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Bis(2-chloroethyl)ether	<230		230	66	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Bis(2-ethylhexyl) phthalate	<230		230	59	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Butyl benzyl phthalate	<230		230	56	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Carbazole	<230		230	63	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Chrysene	<44		44	10	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Dibenz(a,h)anthracene	<44		44	13	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Dibenzofuran	<230		230	54	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Diethyl phthalate	<230		230	75	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Dimethyl phthalate	<230		230	56	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Di-n-butyl phthalate	<230		230	56	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Di-n-octyl phthalate	<230		230	91	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Fluoranthene	<44		44	18	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Fluorene	<44		44	10	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Hexachlorobenzene	<90		90	8.8	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Hexachlorobutadiene	<230		230	59	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Hexachlorocyclopentadiene	<900		900	210	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Hexachloroethane	<230		230	48	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-1(4-8)-092313
Date Collected: 09/23/13 08:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-2
Matrix: Solid
Percent Solids: 70.7

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	<44		44	15	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Isophorone	<230		230	50	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Naphthalene	<44		44	8.6	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Nitrobenzene	<44		44	14	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
N-Nitrosodi-n-propylamine	<230		230	57	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
N-Nitrosodiphenylamine	<230		230	61	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Pentachlorophenol	<900		900	230	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Phenanthrene	<44		44	19	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Phenol	<230		230	71	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1
Pyrene	<44		44	16	ug/Kg	☼	09/24/13 07:11	09/30/13 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*52*		*35 - 137*	*09/24/13 07:11*	*09/30/13 17:51*	*1*
2-Fluorobiphenyl	*43*		*25 - 119*	*09/24/13 07:11*	*09/30/13 17:51*	*1*
2-Fluorophenol	*34*		*25 - 110*	*09/24/13 07:11*	*09/30/13 17:51*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*09/24/13 07:11*	*09/30/13 17:51*	*1*
Phenol-d5	*33*		*31 - 110*	*09/24/13 07:11*	*09/30/13 17:51*	*1*
Terphenyl-d14	*80*		*36 - 134*	*09/24/13 07:11*	*09/30/13 17:51*	*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		09/30/13 07:45	10/04/13 20:53	1
Barium	**1.1**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 20:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 20:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 20:53	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 20:53	1
Cobalt	**0.016**	**J**	0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 20:53	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/04/13 20:53	1
Iron	**0.67**		0.20	0.20	mg/L		10/07/13 15:00	10/08/13 12:35	1
Lead	**0.0068**	**J**	0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 20:53	1
Manganese	**5.5**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 20:53	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/05/13 13:03	1
Selenium	**0.012**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 20:53	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 20:53	1
Zinc	**0.76**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 20:53	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		09/30/13 07:45	10/01/13 12:17	1
Barium	**0.79**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 12:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 12:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 12:17	1
Chromium	**0.037**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:17	1
Cobalt	**0.011**	**J**	0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 12:17	1
Copper	**0.053**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:17	1
Iron	**33**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 12:17	1
Lead	**0.023**		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 12:17	1
Manganese	**0.52**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:17	1
Nickel	**0.032**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:17	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 12:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-1(4-8)-092313
Date Collected: 09/23/13 08:20
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-2
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	0.0050	mg/L		09/30/13 07:45	10/01/13 12:17	1
Zinc	**0.59**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 12:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**	**B**	14	1.3	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Antimony	<1.4		1.4	0.56	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Arsenic	**6.7**		0.70	0.14	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Barium	**79**	**B**	0.70	0.075	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Beryllium	**0.59**		0.28	0.025	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Cadmium	**0.48**		0.14	0.018	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Calcium	**46000**	**B**	14	3.8	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Chromium	**12**	**B**	0.70	0.081	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Cobalt	**6.8**		0.35	0.025	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Copper	**17**		0.70	0.062	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Iron	**13000**		14	5.7	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Lead	**11**	**B**	0.35	0.10	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Magnesium	**28000**	**B**	7.0	1.4	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Manganese	**270**	**B**	0.70	0.038	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Nickel	**14**	**B**	0.70	0.068	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Potassium	**1100**		35	2.1	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Selenium	**0.26**	**J**	0.70	0.25	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Silver	<0.35		0.35	0.025	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Sodium	**2400**		70	9.3	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Strontium	**17**	**B**	0.35	0.014	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Thallium	<0.70		0.70	0.29	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Vanadium	**20**		0.35	0.052	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1
Zinc	**40**	**B**	1.4	0.28	mg/Kg	☼	09/24/13 08:56	10/04/13 23:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20**	**J**	23	11	ug/Kg	☼	09/24/13 15:45	09/25/13 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.42**		0.200	0.200	SU			10/01/13 16:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-3(0-4)-092313
Date Collected: 09/23/13 08:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-5
Matrix: Solid
Percent Solids: 86.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	23		5.8	2.5	ug/Kg	☼		09/25/13 14:37	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		09/25/13 14:37	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		09/25/13 14:37	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		09/25/13 14:37	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		09/25/13 14:37	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		09/25/13 14:37	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		09/25/13 14:37	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		09/25/13 14:37	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		09/25/13 14:37	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		09/25/13 14:37	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		09/25/13 14:37	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		09/25/13 14:37	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		09/25/13 14:37	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		09/25/13 14:37	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		09/25/13 14:37	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		09/25/13 14:37	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		09/25/13 14:37	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		09/25/13 14:37	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		09/25/13 14:37	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		09/25/13 14:37	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		09/25/13 14:37	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		09/25/13 14:37	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		09/25/13 14:37	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		09/25/13 14:37	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		09/25/13 14:37	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		09/25/13 14:37	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		09/25/13 14:37	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		09/25/13 14:37	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		09/25/13 14:37	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		09/25/13 14:37	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		09/25/13 14:37	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		09/25/13 14:37	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		09/25/13 14:37	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		09/25/13 14:37	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		09/25/13 14:37	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		09/25/13 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*09/25/13 14:37*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*09/25/13 14:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 134*		*09/25/13 14:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*09/25/13 14:37*	*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	42	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
1,2-Dichlorobenzene	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
1,3-Dichlorobenzene	<190		190	39	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
1,4-Dichlorobenzene	<190		190	39	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2,2'-oxybis[1-chloropropane]	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-3(0-4)-092313
Date Collected: 09/23/13 08:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-5
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	110	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2,4,6-Trichlorophenol	<370		370	47	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2,4-Dichlorophenol	<370		370	110	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2,4-Dimethylphenol	<370		370	120	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2,4-Dinitrophenol	<750		750	190	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2,4-Dinitrotoluene	<190		190	57	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2,6-Dinitrotoluene	<190		190	44	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2-Chlorophenol	<190		190	53	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2-Methylnaphthalene	<190		190	48	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2-Methylphenol	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2-Nitroaniline	<190		190	67	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
2-Nitrophenol	<370		370	58	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
3 & 4 Methylphenol	<190		190	70	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
3,3'-Dichlorobenzidine	<190		190	31	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
3-Nitroaniline	<370		370	72	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
4,6-Dinitro-2-methylphenol	<370		370	90	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
4-Bromophenyl phenyl ether	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
4-Chloro-3-methylphenol	<370		370	180	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
4-Chloroaniline	<750		750	110	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
4-Chlorophenyl phenyl ether	<190		190	58	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
4-Nitroaniline	<370		370	76	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
4-Nitrophenol	<750		750	200	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Acenaphthene	<37		37	11	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Acenaphthylene	<37		37	8.5	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Anthracene	<37		37	8.7	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Benzo[a]anthracene	<37		37	7.8	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Benzo[a]pyrene	<37		37	6.8	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Benzo[b]fluoranthene	<37		37	7.2	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Benzo[g,h,i]perylene	<37		37	13	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Benzo[k]fluoranthene	<37		37	8.9	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Bis(2-chloroethoxy)methane	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Bis(2-ethylhexyl) phthalate	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Butyl benzyl phthalate	<190		190	47	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Carbazole	<190		190	52	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Chrysene	<37		37	8.4	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Dibenz(a,h)anthracene	<37		37	10	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Dimethyl phthalate	<190		190	46	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Di-n-butyl phthalate	<190		190	47	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Di-n-octyl phthalate	<190		190	75	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Fluoranthene	<37		37	15	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Fluorene	<37		37	8.4	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Hexachlorobenzene	<75		75	7.3	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Hexachlorobutadiene	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Hexachlorocyclopentadiene	<750		750	170	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Hexachloroethane	<190		190	40	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-3(0-4)-092313
Date Collected: 09/23/13 08:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-5
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	<37		37	13	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Isophorone	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Naphthalene	<37		37	7.2	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Nitrobenzene	<37		37	12	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
N-Nitrosodiphenylamine	<190		190	50	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Pentachlorophenol	<750		750	190	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Phenanthrene	<37		37	16	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Phenol	<190		190	59	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1
Pyrene	<37		37	13	ug/Kg	☼	09/24/13 07:11	09/30/13 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*09/24/13 07:11*	*09/30/13 18:52*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*09/24/13 07:11*	*09/30/13 18:52*	*1*
2-Fluorophenol	*70*		*25 - 110*	*09/24/13 07:11*	*09/30/13 18:52*	*1*
Nitrobenzene-d5	*56*		*25 - 115*	*09/24/13 07:11*	*09/30/13 18:52*	*1*
Phenol-d5	*67*		*31 - 110*	*09/24/13 07:11*	*09/30/13 18:52*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/24/13 07:11*	*09/30/13 18:52*	*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		09/30/13 07:45	10/04/13 21:08	1
Barium	**1.1**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 21:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 21:08	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 21:08	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:08	1
Cobalt	**0.0065**	**J**	0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 21:08	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:08	1
Iron	<0.20		0.20	0.20	mg/L		10/07/13 15:00	10/08/13 12:45	1
Lead	<0.0075		0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 21:08	1
Manganese	**2.4**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:08	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		09/30/13 07:45	10/05/13 13:22	1
Selenium	**0.014**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 21:08	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 21:08	1
Zinc	**0.72**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.028**	**J**	0.050	0.010	mg/L		09/30/13 07:45	10/01/13 12:29	1
Barium	**0.81**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 12:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 12:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 12:29	1
Chromium	**0.083**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:29	1
Cobalt	**0.027**		0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 12:29	1
Copper	**0.10**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:29	1
Iron	**82**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 12:29	1
Lead	**0.044**		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 12:29	1
Manganese	**0.55**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:29	1
Nickel	**0.10**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:29	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 12:29	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-3(0-4)-092313
Date Collected: 09/23/13 08:50
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-5
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	0.0050	mg/L		09/30/13 07:45	10/01/13 12:29	1
Zinc	0.66	B	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 12:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8100	B	11	1.0	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Arsenic	7.1		0.56	0.11	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Barium	37	B	0.56	0.060	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Beryllium	0.52		0.22	0.020	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Cadmium	0.71		0.11	0.014	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Calcium	92000	B	110	30	mg/Kg	☼	09/24/13 08:56	10/05/13 15:51	10
Chromium	13	B	0.56	0.065	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Cobalt	7.7		0.28	0.020	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Copper	18		0.56	0.050	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Iron	15000		11	4.6	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Lead	11	B	0.28	0.083	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Magnesium	30000	B	5.6	1.2	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Manganese	370	B	0.56	0.030	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Nickel	20	B	0.56	0.055	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Potassium	1600		28	1.7	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Sodium	1400		56	7.5	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Strontium	29	B	0.28	0.011	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Thallium	<0.56		0.56	0.24	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Vanadium	16		0.28	0.041	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1
Zinc	33	B	1.1	0.23	mg/Kg	☼	09/24/13 08:56	10/04/13 23:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	J	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		18	8.4	ug/Kg	☼	09/24/13 15:45	09/25/13 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.56		0.200	0.200	SU			10/01/13 11:15	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-3(4-8)-092313
Date Collected: 09/23/13 08:55
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-6
Matrix: Solid
Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		09/25/13 15:00	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		09/25/13 15:00	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/25/13 15:00	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		09/25/13 15:00	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		09/25/13 15:00	1
Carbon disulfide	<5.9		5.9	0.87	ug/Kg	☼		09/25/13 15:00	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		09/25/13 15:00	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		09/25/13 15:00	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		09/25/13 15:00	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		09/25/13 15:00	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		09/25/13 15:00	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		09/25/13 15:00	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		09/25/13 15:00	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/25/13 15:00	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		09/25/13 15:00	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		09/25/13 15:00	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		09/25/13 15:00	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		09/25/13 15:00	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		09/25/13 15:00	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		09/25/13 15:00	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		09/25/13 15:00	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		09/25/13 15:00	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		09/25/13 15:00	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		09/25/13 15:00	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		09/25/13 15:00	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		09/25/13 15:00	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/25/13 15:00	1
Tetrachloroethene	<5.9		5.9	0.89	ug/Kg	☼		09/25/13 15:00	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		09/25/13 15:00	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		09/25/13 15:00	1
trans-1,3-Dichloropropene	<5.9		5.9	1.0	ug/Kg	☼		09/25/13 15:00	1
1,1,1-Trichloroethane	<5.9		5.9	0.87	ug/Kg	☼		09/25/13 15:00	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		09/25/13 15:00	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		09/25/13 15:00	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		09/25/13 15:00	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		09/25/13 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*09/25/13 15:00*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*09/25/13 15:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*09/25/13 15:00*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*09/25/13 15:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
1,2-Dichlorobenzene	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
1,3-Dichlorobenzene	<190		190	39	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
1,4-Dichlorobenzene	<190		190	39	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-3(4-8)-092313
Date Collected: 09/23/13 08:55
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-6
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	110	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2,4,6-Trichlorophenol	<370		370	47	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2,4-Dichlorophenol	<370		370	110	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2,4-Dimethylphenol	<370		370	120	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2,4-Dinitrophenol	<760		760	190	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2,4-Dinitrotoluene	<190		190	58	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2,6-Dinitrotoluene	<190		190	45	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2-Chlorophenol	<190		190	54	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2-Methylnaphthalene	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2-Methylphenol	<190		190	50	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2-Nitroaniline	<190		190	68	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
2-Nitrophenol	<370		370	59	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
3 & 4 Methylphenol	<190		190	71	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
3,3'-Dichlorobenzidine	<190		190	31	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
3-Nitroaniline	<370		370	72	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
4,6-Dinitro-2-methylphenol	<370		370	91	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
4-Bromophenyl phenyl ether	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
4-Chloro-3-methylphenol	<370		370	180	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
4-Chloroaniline	<760		760	110	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
4-Chlorophenyl phenyl ether	<190		190	59	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
4-Nitroaniline	<370		370	77	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
4-Nitrophenol	<760		760	200	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Acenaphthene	<37		37	11	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Acenaphthylene	<37		37	8.6	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Anthracene	<37		37	8.8	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Benzo[a]anthracene	<37		37	7.9	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Benzo[a]pyrene	<37	*	37	6.8	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Benzo[b]fluoranthene	<37	*	37	7.3	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Benzo[g,h,i]perylene	<37	*	37	13	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Benzo[k]fluoranthene	<37	*	37	8.9	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Bis(2-chloroethoxy)methane	<190		190	41	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Bis(2-ethylhexyl) phthalate	<190		190	50	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Butyl benzyl phthalate	<190		190	47	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Carbazole	<190		190	53	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Chrysene	<37		37	8.5	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Dibenz(a,h)anthracene	<37	*	37	10	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Dimethyl phthalate	<190		190	47	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Di-n-butyl phthalate	<190		190	47	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Di-n-octyl phthalate	<190	*	190	76	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Fluoranthene	<37		37	15	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Fluorene	<37		37	8.5	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Hexachlorobenzene	<76		76	7.4	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Hexachlorobutadiene	<190		190	49	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Hexachlorocyclopentadiene	<760		760	170	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Hexachloroethane	<190		190	40	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-3(4-8)-092313
Date Collected: 09/23/13 08:55
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-6
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37	*	37	13	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Isophorone	<190		190	42	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Naphthalene	<37		37	7.2	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Nitrobenzene	<37		37	12	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
N-Nitrosodi-n-propylamine	<190		190	48	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
N-Nitrosodiphenylamine	<190		190	51	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Pentachlorophenol	<760		760	190	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Phenanthrene	<37		37	16	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Phenol	<190		190	59	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1
Pyrene	<37		37	14	ug/Kg	☼	09/24/13 07:11	09/30/13 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*09/24/13 07:11*	*09/30/13 19:12*	*1*
2-Fluorobiphenyl	*78*		*25 - 119*	*09/24/13 07:11*	*09/30/13 19:12*	*1*
2-Fluorophenol	*81*		*25 - 110*	*09/24/13 07:11*	*09/30/13 19:12*	*1*
Nitrobenzene-d5	*74*		*25 - 115*	*09/24/13 07:11*	*09/30/13 19:12*	*1*
Phenol-d5	*83*		*31 - 110*	*09/24/13 07:11*	*09/30/13 19:12*	*1*
Terphenyl-d14	*103*		*36 - 134*	*09/24/13 07:11*	*09/30/13 19:12*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/04/13 21:20	1
Barium	**1.0**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/04/13 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/04/13 21:20	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/30/13 07:45	10/04/13 21:20	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:20	1
Cobalt	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 21:20	1
Copper	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:20	1
Iron	<0.20		0.20	0.20	mg/L		09/30/13 07:45	10/04/13 21:20	1
Lead	<0.0075		0.0075	0.0050	mg/L		09/30/13 07:45	10/04/13 21:20	1
Manganese	**0.81**		0.025	0.010	mg/L		09/30/13 07:45	10/04/13 21:20	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/13 07:45	10/05/13 13:43	1
Selenium	**0.011**	**J B**	0.050	0.010	mg/L		09/30/13 07:45	10/04/13 21:20	1
Silver	<0.025		0.025	0.0050	mg/L		09/30/13 07:45	10/04/13 21:20	1
Zinc	**0.61**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/04/13 21:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.014**	**J**	0.050	0.010	mg/L		09/30/13 07:45	10/01/13 12:33	1
Barium	**0.70**	**B**	0.50	0.010	mg/L		09/30/13 07:45	10/01/13 12:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/13 07:45	10/01/13 12:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/13 07:45	10/01/13 12:33	1
Chromium	**0.053**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:33	1
Cobalt	**0.011**	**J**	0.025	0.0050	mg/L		09/30/13 07:45	10/01/13 12:33	1
Copper	**0.072**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:33	1
Iron	**51**		0.20	0.20	mg/L		09/30/13 07:45	10/01/13 12:33	1
Lead	**0.025**		0.0075	0.0050	mg/L		09/30/13 07:45	10/01/13 12:33	1
Manganese	**0.20**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:33	1
Nickel	**0.051**		0.025	0.010	mg/L		09/30/13 07:45	10/01/13 12:33	1
Selenium	<0.050		0.050	0.010	mg/L		09/30/13 07:45	10/01/13 12:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Client Sample ID: RE9-3(4-8)-092313
Date Collected: 09/23/13 08:55
Date Received: 09/24/13 06:30

Lab Sample ID: 500-63498-6
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	0.0050	mg/L		09/30/13 07:45	10/01/13 12:33	1
Zinc	**0.58**	**B**	0.10	0.020	mg/L		09/30/13 07:45	10/01/13 12:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**	**B**	12	1.1	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Arsenic	**8.8**		0.58	0.12	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Barium	**38**	**B**	0.58	0.062	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Beryllium	**0.58**		0.23	0.020	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Cadmium	**0.64**		0.12	0.015	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Calcium	**68000**	**B**	120	31	mg/Kg	☼	09/24/13 08:56	10/05/13 15:55	10
Chromium	**14**	**B**	0.58	0.067	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Cobalt	**9.7**		0.29	0.021	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Copper	**21**		0.58	0.051	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Iron	**18000**		12	4.8	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Lead	**10**	**B**	0.29	0.086	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Magnesium	**31000**	**B**	5.8	1.2	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Manganese	**380**	**B**	0.58	0.032	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Nickel	**23**	**B**	0.58	0.057	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Potassium	**2100**		29	1.7	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Sodium	**870**		58	7.8	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Strontium	**32**	**B**	0.29	0.012	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Thallium	**0.38**	**J**	0.58	0.24	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Vanadium	**18**		0.29	0.043	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1
Zinc	**42**	**B**	1.2	0.23	mg/Kg	☼	09/24/13 08:56	10/04/13 23:57	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		09/30/13 16:00	10/01/13 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.20	0.020	ug/L		09/30/13 16:00	10/01/13 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**		18	8.6	ug/Kg	☼	09/24/13 15:45	09/25/13 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.21**		0.200	0.200	SU			10/01/13 11:24	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	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.
*	ISTD response or retention time outside acceptable 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.
F	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 - North Barrington - 016

TestAmerica Job ID: 500-63498-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	10-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-63498 COC

(optional)
Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E. Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-63498
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 4.3

Client: Weston
Client Project #:
Project Name: IDOT 016
Project Location/State: N. Barrington / IL
Lab Project #:
Sampler: T. Wallis
Lab PM: D. Wright

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL metals	TCLP/SPLP metals	PH					Comments
1		RE9-1 (0-4)-092313	9-23-13	0815	2	S	X	X	X	X	X					
2		RE9-1 (4-8)-092313		0820												
3		RE9-2 (0-4)-092313		0835												
4		RE9-2 (4-8)-092313		0840												
5		RE9-3 (0-4)-092313		0850												
6		RE9-3 (4-8)-092313		0855												
7		RE3-3 (0-4)-092313		0920												
8		RE3-3 (4-8)-092313		0925												
9		RE3-3 (4-8)-092313 D		0925												
10		RE3-4 (0-4)-092313	9-23-13	0945	2	S	X	X	X	X	X					

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

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Timothy A. Wallis	Weston	9-23-13	1445		TA	9/23/13	1445
	TA	9/23/13	1605		TA	9-24-13	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-63490

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E. Bunker Ct. Ste 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

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

Client: Weston
Client Project #:
Project Name: IDOT 016
Project Location/State: N. Barrington / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH	Comments
11		RE3-4(4-8)-092313	9-23-13	0950	2	S	X	X	X	X	X	
12		RE3-5(0-4)-092313		0955								
13		RE3-5(4-8)-092313		1000								
14		RE3-6(0-4)-092313		1020								
15		RE3-6(4-8)-092313		1025								
16		RE3-7(0-4)-092313		1095								
17		RE3-7(4-8)-092313		1050								
18		RE3-7(4-8)-092313D		1050								
19		RV-4(0-3)-092313	9-23-13	1105	2	S	X	X	X	X	X	
		T. Walls	9-23-13									

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	9-23-13	1445		TA	9/24/13	1445
	TA	9/23/13	1605		TA	9/24/13	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: