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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

619-633 E Ogden Ave (ISGS SITE No. 2619V-8)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.785902368 (Decimal Degrees) Longitude: -88.137777947 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.785902368 Longitude: -88.137777947

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION OP-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2619V-8 SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-118244-1
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Apr 2017
Date:

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

Summary Table of ISGS Site No. 2619V-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	OP-1(0-4)-100616	OP-1(4-9)-100616	Soil Reference Concentrations[A]
Sample Date	10/6/2016	10/6/2016	
Location ID	OP-1	OP-1	
Depth	0 - 4	4 - 9	
ISGS Site No.	2619V-8	2619V-8	
Parameter			
Laboratory pH (s.u.)	8.20	8.60	<6.25, >9.0
VOCs	**No Detections**		
SVOCs (ug/kg)			
Anthracene	23 J	ND	1.20E+07
Benzo(a)anthracene	280	ND	900 / 1100 / 1800
Benzo(a)pyrene	360	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	590	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	180	ND	---
Benzo(k)fluoranthene	220	ND	9000
Chrysene	390	ND	88000
Dibenzo(a,h)anthracene	43	ND	90 / 200 / 420
Fluoranthene	670	ND	3100000
Indeno(1,2,3-cd)pyrene	210	ND	900 / 900 / 1600
Phenanthrene	160	ND	---
Pyrene	530	ND	2300000
Total Metals (mg/kg)			
Arsenic, Total	7.9	9.3	11.3 / 13.0
Barium, Total	110	42	1500
Beryllium, Total	0.65	0.64	22
Cadmium, Total	0.24	0.18	5.2
Calcium, Total	9600 B	67000 B	---
Chromium, Total	16 B	15 B	21
Cobalt, Total	11	15	20
Copper, Total	17	25	2900
Iron, Total	18000 B	21000 B	15000 / 15900
Lead, Total	53	16	107
Magnesium, Total	6900	27000	325000
Manganese, Total	630	340	630
Mercury, Total	0.05	0.026	0.89
Nickel, Total	19	33	100
Potassium, Total	1000	1800	---
Sodium, Total	250	180	---
Thallium, Total	ND	0.29 J	2.6
Vanadium, Total	27	17	550
Zinc, Total	68	62	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.52	0.27 J	2
Cadmium, TCLP	ND	0.003 J	0.005
Cobalt, TCLP	ND	0.02 J	1
Copper, TCLP	0.024 J	ND	0.65
Iron, TCLP	0.21 J	0.2 J	5
Manganese, TCLP	0.064	2.8	0.15
Nickel, TCLP	ND	0.025	0.1
SPLP Metals (mg/l)			
Arsenic, SPLP	0.012 J	0.074	0.05
Barium, SPLP	0.29 J	0.41 J	2
Beryllium, SPLP	ND	0.0061	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	0.06	0.12	0.1
Cobalt, SPLP	ND	0.045	1
Copper, SPLP	0.061	0.24	0.65
Iron, SPLP	52 J+	160 J+	5
Lead, SPLP	0.018	0.053	0.0075
Manganese, SPLP	0.42	0.58	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.043	0.18	0.1
Zinc, SPLP	0.17 J	0.43 J	5

Summary Table of ISGS Site No. 2619V-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-118244-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/17/2016 4:06:53 PM

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

Client Sample ID: OP-1(0-4)-100616
Date Collected: 10/06/16 13:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-12
Matrix: Solid
Percent Solids: 81.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	3.5	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Benzene	<4.6		4.6	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Bromodichloromethane	<4.6		4.6	0.77	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Bromoform	<4.6		4.6	0.93	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Bromomethane	<4.6		4.6	1.7	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Carbon disulfide	<4.6		4.6	1.7	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Carbon tetrachloride	<4.6		4.6	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Chlorobenzene	<4.6		4.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Chloroethane	<4.6		4.6	1.9	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Chloroform	<4.6		4.6	0.89	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Chloromethane	<4.6		4.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
cis-1,2-Dichloroethene	<4.6		4.6	0.93	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
cis-1,3-Dichloropropene	<4.6		4.6	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Dibromochloromethane	<4.6		4.6	0.53	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
1,1-Dichloroethane	<4.6		4.6	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
1,2-Dichloroethane	<4.6		4.6	0.68	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
1,1-Dichloroethene	<4.6		4.6	1.7	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
1,2-Dichloropropane	<4.6		4.6	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
1,3-Dichloropropene, Total	<4.6		4.6	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Ethylbenzene	<4.6		4.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Methylene Chloride	<4.6		4.6	3.5	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Methyl Ethyl Ketone	<4.6		4.6	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
methyl isobutyl ketone	<4.6		4.6	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Methyl tert-butyl ether	<4.6		4.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Styrene	<4.6		4.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
1,1,2,2-Tetrachloroethane	<4.6		4.6	0.73	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Tetrachloroethene	<4.6		4.6	0.95	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Toluene	<4.6		4.6	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
trans-1,2-Dichloroethene	<4.6		4.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
trans-1,3-Dichloropropene	<4.6		4.6	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
1,1,1-Trichloroethane	<4.6		4.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
1,1,2-Trichloroethane	<4.6		4.6	0.89	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Trichloroethene	<4.6		4.6	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Vinyl chloride	<4.6		4.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1
Xylenes, Total	<9.2		9.2	1.7	ug/Kg	☼	10/06/16 17:20	10/12/16 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*10/06/16 17:20*	*10/12/16 20:43*	*1*
Dibromofluoromethane	*109*		*75 - 120*	*10/06/16 17:20*	*10/12/16 20:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*69 - 134*	*10/06/16 17:20*	*10/12/16 20:43*	*1*
Toluene-d8 (Surr)	*90*		*75 - 123*	*10/06/16 17:20*	*10/12/16 20:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1

Client Sample ID: OP-1(0-4)-100616
Date Collected: 10/06/16 13:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-12
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2-Methylphenol	<200		200	65	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Anthracene	**23**	**J**	40	6.8	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Benzo[a]anthracene	**280**		40	5.4	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Benzo[a]pyrene	**360**		40	7.8	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Benzo[b]fluoranthene	**590**		40	8.7	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Benzo[g,h,i]perylene	**180**		40	13	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Benzo[k]fluoranthene	**220**		40	12	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Carbazole	<200		200	100	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Chrysene	**390**		40	11	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Dibenz(a,h)anthracene	**43**		40	7.8	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Dibenzofuran	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Fluoranthene	**670**		40	7.5	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Fluorene	<40		40	5.7	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Hexachloroethane	<200		200	62	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1

Client Sample ID: OP-1(0-4)-100616
Date Collected: 10/06/16 13:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-12
Matrix: Solid
Percent Solids: 81.2

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	**210**		40	10	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Isophorone	<200		200	45	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Naphthalene	<40		40	6.2	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Nitrobenzene	<40		40	10	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Phenanthrene	**160**		40	5.6	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Phenol	<200		200	90	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1
Pyrene	**530**		40	8.0	ug/Kg	☼	10/07/16 07:24	10/13/16 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*25 - 130*	*10/07/16 07:24*	*10/13/16 16:39*	*1*
2-Fluorobiphenyl	*92*		*42 - 115*	*10/07/16 07:24*	*10/13/16 16:39*	*1*
2-Fluorophenol	*104*		*40 - 130*	*10/07/16 07:24*	*10/13/16 16:39*	*1*
Nitrobenzene-d5	*85*		*33 - 124*	*10/07/16 07:24*	*10/13/16 16:39*	*1*
Phenol-d5	*96*		*36 - 123*	*10/07/16 07:24*	*10/13/16 16:39*	*1*
Terphenyl-d14	*88*		*25 - 150*	*10/07/16 07:24*	*10/13/16 16:39*	*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		10/14/16 14:13	10/16/16 04:17	1
Barium	**0.52**		0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:17	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:17	1
Copper	**0.024**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:17	1
Iron	**0.21**	**J**	0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:17	1
Manganese	**0.064**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:17	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:17	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:17	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.012**	**J**	0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:34	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:34	1
Chromium	**0.060**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:34	1
Copper	**0.061**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:34	1
Iron	**52**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:34	1
Lead	**0.018**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:34	1
Manganese	**0.42**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:34	1
Nickel	**0.043**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:34	1

Client Sample ID: OP-1(0-4)-100616
Date Collected: 10/06/16 13:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-12
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:34	1
Zinc	**0.17**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 04:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Arsenic	**7.9**		0.60	0.28	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Barium	**110**		0.60	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Beryllium	**0.65**		0.24	0.052	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Cadmium	**0.24**		0.12	0.035	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Calcium	**9600**	**B**	12	3.9	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Chromium	**16**	**B**	0.60	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Cobalt	**11**		0.30	0.068	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Copper	**17**		0.60	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Iron	**18000**	**B**	12	4.6	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Lead	**53**		0.30	0.15	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Magnesium	**6900**		6.0	2.4	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Manganese	**630**		0.60	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Nickel	**19**		0.60	0.16	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Potassium	**1000**		30	4.9	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Sodium	**250**		60	7.9	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Vanadium	**27**		0.30	0.088	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1
Zinc	**68**		1.2	0.38	mg/Kg	☼	10/13/16 08:27	10/14/16 01:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**50**		20	10	ug/Kg	☼	10/11/16 15:45	10/12/16 11:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			10/11/16 04:39	1

Client Sample ID: OP-1(4-9)-100616
Date Collected: 10/06/16 13:10
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-13
Matrix: Solid
Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	3.2	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Benzene	<4.1		4.1	0.91	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Bromodichloromethane	<4.1		4.1	0.69	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Bromoform	<4.1		4.1	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Carbon disulfide	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Carbon tetrachloride	<4.1		4.1	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Chlorobenzene	<4.1		4.1	0.97	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Chloroethane	<4.1		4.1	1.7	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Chloroform	<4.1		4.1	0.80	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Chloromethane	<4.1		4.1	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
cis-1,2-Dichloroethene	<4.1		4.1	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
cis-1,3-Dichloropropene	<4.1		4.1	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Dibromochloromethane	<4.1		4.1	0.47	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
1,1-Dichloroethane	<4.1		4.1	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
1,2-Dichloroethane	<4.1		4.1	0.61	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
1,1-Dichloroethene	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
1,2-Dichloropropane	<4.1		4.1	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
1,3-Dichloropropene, Total	<4.1		4.1	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Ethylbenzene	<4.1		4.1	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Methylene Chloride	<4.1		4.1	3.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Methyl Ethyl Ketone	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
methyl isobutyl ketone	<4.1		4.1	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Methyl tert-butyl ether	<4.1		4.1	0.97	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Styrene	<4.1		4.1	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
1,1,2,2-Tetrachloroethane	<4.1		4.1	0.65	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Tetrachloroethene	<4.1		4.1	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Toluene	<4.1		4.1	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
trans-1,2-Dichloroethene	<4.1		4.1	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
trans-1,3-Dichloropropene	<4.1		4.1	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
1,1,1-Trichloroethane	<4.1		4.1	0.95	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
1,1,2-Trichloroethane	<4.1		4.1	0.79	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Trichloroethene	<4.1		4.1	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Vinyl chloride	<4.1		4.1	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1
Xylenes, Total	<8.2		8.2	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 120*	*10/06/16 17:20*	*10/12/16 21:09*	*1*
Dibromofluoromethane	*110*		*75 - 120*	*10/06/16 17:20*	*10/12/16 21:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*69 - 134*	*10/06/16 17:20*	*10/12/16 21:09*	*1*
Toluene-d8 (Surr)	*102*		*75 - 123*	*10/06/16 17:20*	*10/12/16 21:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Client Sample ID: OP-1(4-9)-100616
Date Collected: 10/06/16 13:10
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-13
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Anthracene	<39		39	6.6	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Carbazole	<200		200	99	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Chrysene	<39		39	11	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Hexachloroethane	<200		200	60	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1

Client Sample ID: OP-1(4-9)-100616
Date Collected: 10/06/16 13:10
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-13
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Isophorone	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Naphthalene	<39		39	6.1	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Phenol	<200		200	88	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1
Pyrene	<39		39	7.8	ug/Kg	☼	10/07/16 07:24	10/08/16 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*25 - 130*	*10/07/16 07:24*	*10/08/16 01:05*	*1*
2-Fluorobiphenyl	*95*		*42 - 115*	*10/07/16 07:24*	*10/08/16 01:05*	*1*
2-Fluorophenol	*93*		*40 - 130*	*10/07/16 07:24*	*10/08/16 01:05*	*1*
Nitrobenzene-d5	*99*		*33 - 124*	*10/07/16 07:24*	*10/08/16 01:05*	*1*
Phenol-d5	*66*		*36 - 123*	*10/07/16 07:24*	*10/08/16 01:05*	*1*
Terphenyl-d14	*148*		*25 - 150*	*10/07/16 07:24*	*10/08/16 01:05*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 04:21	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:21	1
Cadmium	**0.0030**	**J**	0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:21	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:21	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:21	1
Copper	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:21	1
Iron	**0.20**	**J**	0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:21	1
Manganese	**2.8**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:21	1
Nickel	**0.025**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:21	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:21	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.074**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:51	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:51	1
Beryllium	**0.0061**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:51	1
Chromium	**0.12**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:51	1
Cobalt	**0.045**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:51	1
Copper	**0.24**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:51	1
Iron	**160**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:51	1
Lead	**0.053**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:51	1
Manganese	**0.58**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:51	1
Nickel	**0.18**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:51	1

Client Sample ID: OP-1(4-9)-100616
Date Collected: 10/06/16 13:10
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-13
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:51	1
Zinc	**0.43**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 04:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Arsenic	**9.3**		0.56	0.26	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Barium	**42**		0.56	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Beryllium	**0.64**		0.23	0.049	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Cadmium	**0.18**		0.11	0.033	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Calcium	**67000**	**B**	110	36	mg/Kg	☼	10/13/16 08:27	10/14/16 20:23	10
Chromium	**15**	**B**	0.56	0.097	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Cobalt	**15**		0.28	0.064	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Copper	**25**		0.56	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Iron	**21000**	**B**	11	4.4	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Lead	**16**		0.28	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Magnesium	**27000**		5.6	2.3	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Manganese	**340**		0.56	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Nickel	**33**		0.56	0.15	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Potassium	**1800**		28	4.6	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Sodium	**180**		56	7.4	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Thallium	**0.29**	**J**	0.56	0.28	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Vanadium	**17**		0.28	0.082	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1
Zinc	**62**		1.1	0.36	mg/Kg	☼	10/13/16 08:27	10/14/16 01:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		18	9.2	ug/Kg	☼	10/11/16 15:45	10/12/16 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.6**		0.2	0.2	SU			10/11/16 05:08	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.

500-118244 COC

Chain of Custody Record

Report To (optional)
Contact: S. Balasubramaniam
Company: Weston Solutions, Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Lab Job #: 500-118244
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8, 3.3

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		DR-6(4-9)-100616	10-6-16	0855	6	S	X	X	X	X	X					
2		DR-6(9-15)-100616		0910	6	S	X	X	X	X	X					
3		DR-6(9-15)-100616D		0910	6	S	X	X	X	X	X					
4		DR-8(4-9)-100616		0950	6	S	X	X	X	X	X					
5		DR-8(9-15)-100616		1000	6	S	X	X	X	X	X					
6		DR-7(4-9)-100616		1025	6	S	X	X	X	X	X					
7		DR-7(9-15)-100616		1035	6	S	X	X	X	X	X					
8		CC-3(4-10)-100616		1100	6	S	X	X	X	X	X					
9		CC-1-(4-10)-100616		1125	6	S	X	X	X	X	X					
10		TC-4(4-9)-100616	10-6-16	1155	6	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
T. Walls	Weston	10-6-16	1505	David Becker	TA	10-6-16	1505
David Becker	TA	10/6/16	1610	Shaun Scott	TA-CHI	10/6/16	1610

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1208)

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. Babuswkumar
Company: Weston Solution, Inc
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		TC-4(9-15)-100616	10-6-16	1205	6	S		X	X	X	X	X	
12		OP-1(0-4)-100616		1300	6	S		X	X	X	X	X	
13		OP-1(4-9)-100616		1310	6	S		X	X	X	X	X	
14		CB-1(0-5)-100616		1315	6	S		X	X	X	X	X	
15		CB-1(5-10)-100616		1320	6	S		X	X	X	X	X	
16		SA-5(4-8)-100616		~~1355~~ 1405	6	S		X	X	X	X	X	Sample time = 1405
17		R18-3(4-7)-100616		1425	6	S		X	X	X	X	X	
18		R18-3(4-7)-100616D		1425	6	S		X	X	X	X	X	
19		VB-5(4-9)-100616		1450	6	S		X	X	X	X	X	
20		VB-5(9-15)-100616	10-6-16	1500	6	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10/6/16	1505
David Becker	TA	10-6-16	1610	Allen Scott	TA-CHI	10/6/16	1610
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

635 E Ogden Ave (ISGS SITE No. 2619V-9)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.785937776 (Decimal Degrees) Longitude: -88.137230260 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.785937776 Longitude: -88.137230260

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION CB-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2619V-9. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-118244-1
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017
Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 2619V-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	CB-1(0-5)-100616	CB-1(5-10)-100616	**Soil Reference Concentrations[A]**
Sample Date	10/6/2016	10/6/2016	
Location ID	CB-1	CB-1	
Depth	0 - 5	5 - 10	
ISGS Site No.	2619V-9	2619V-9	
Parameter			
Laboratory pH (s.u.)	8.80	8.70	<6.25, >9.0
VOCs	**No Detections**		
SVOCs	**No Detections**		
Total Metals (mg/kg)			
Arsenic, Total	8.9	8.5	11.3 / 13.0
Barium, Total	68	39	1500
Beryllium, Total	0.6	0.63	22
Cadmium, Total	0.17	0.17	5.2
Calcium, Total	70000 B	32000 B	---
Chromium, Total	14 B	15 B	21
Cobalt, Total	13	15	20
Copper, Total	27	26	2900
Iron, Total	19000 B	19000 B	15000 / 15900
Lead, Total	15	16	107
Magnesium, Total	28000	23000	325000
Manganese, Total	340	360	630
Mercury, Total	0.028	0.028	0.89
Nickel, Total	32	34	100
Potassium, Total	1400	2000	---
Sodium, Total	280	180	---
Thallium, Total	0.4 J	0.65	2.6
Vanadium, Total	17	18	550
Zinc, Total	55	62	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.51	0.28 J	2
Cadmium, TCLP	0.0027 J	ND	0.005
Cobalt, TCLP	0.015 J	ND	1
Copper, TCLP	0.061	0.024 J	0.65
Iron, TCLP	ND	0.66	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	2.2	0.39	0.15
Nickel, TCLP	0.02 J	ND	0.1
Zinc, TCLP	ND	0.024 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.06	0.084	0.05
Barium, SPLP	0.56	0.43 J	2
Beryllium, SPLP	0.0061	0.0067	0.004
Cadmium, SPLP	ND	0.002 J	0.005
Chromium, SPLP	0.12	0.14	0.1
Cobalt, SPLP	0.037	0.042	1
Copper, SPLP	0.2	0.26	0.65
Iron, SPLP	150 J+	190 J+	5
Lead, SPLP	0.026	0.065	0.0075
Manganese, SPLP	0.53	0.59	0.15
Nickel, SPLP	0.15	0.2	0.1
Zinc, SPLP	0.32 J	0.46 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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: 500-118244-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/17/2016 4:06:53 PM

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

Client Sample ID: CB-1(0-5)-100616
Date Collected: 10/06/16 13:15
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-14
Matrix: Solid
Percent Solids: 84.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	2.9	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Benzene	<3.8		3.8	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Bromodichloromethane	<3.8		3.8	0.64	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Bromoform	<3.8		3.8	0.77	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Carbon disulfide	<3.8		3.8	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Carbon tetrachloride	<3.8		3.8	0.81	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Chlorobenzene	<3.8		3.8	0.89	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Chloroethane	<3.8		3.8	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Chloroform	<3.8		3.8	0.74	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Chloromethane	<3.8		3.8	0.91	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
cis-1,2-Dichloroethene	<3.8		3.8	0.77	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
cis-1,3-Dichloropropene	<3.8		3.8	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Dibromochloromethane	<3.8		3.8	0.43	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
1,1-Dichloroethane	<3.8		3.8	0.78	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
1,2-Dichloroethane	<3.8		3.8	0.56	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
1,1-Dichloroethene	<3.8		3.8	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
1,2-Dichloropropane	<3.8		3.8	0.99	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
1,3-Dichloropropene, Total	<3.8		3.8	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Ethylbenzene	<3.8		3.8	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Methylene Chloride	<3.8		3.8	2.9	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Methyl Ethyl Ketone	<3.8		3.8	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
methyl isobutyl ketone	<3.8		3.8	0.78	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Methyl tert-butyl ether	<3.8		3.8	0.89	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Styrene	<3.8		3.8	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
1,1,2,2-Tetrachloroethane	<3.8		3.8	0.60	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Tetrachloroethene	<3.8		3.8	0.79	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Toluene	<3.8		3.8	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
trans-1,2-Dichloroethene	<3.8		3.8	0.95	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
trans-1,3-Dichloropropene	<3.8		3.8	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
1,1,1-Trichloroethane	<3.8		3.8	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
1,1,2-Trichloroethane	<3.8		3.8	0.73	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Trichloroethene	<3.8		3.8	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Vinyl chloride	<3.8		3.8	0.90	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1
Xylenes, Total	<7.6		7.6	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 120*	*10/06/16 17:20*	*10/12/16 21:34*	*1*
Dibromofluoromethane	*109*		*75 - 120*	*10/06/16 17:20*	*10/12/16 21:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*69 - 134*	*10/06/16 17:20*	*10/12/16 21:34*	*1*
Toluene-d8 (Surr)	*99*		*75 - 123*	*10/06/16 17:20*	*10/12/16 21:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1

Client Sample ID: CB-1(0-5)-100616
Date Collected: 10/06/16 13:15
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-14
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Carbazole	<190		190	94	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Chrysene	<37		37	10	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1

Client Sample ID: CB-1(0-5)-100616
Date Collected: 10/06/16 13:15
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-14
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Isophorone	<190		190	42	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Phenol	<190		190	84	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1
Pyrene	<37		37	7.5	ug/Kg	☼	10/12/16 21:00	10/13/16 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*55*		*25 - 130*	*10/12/16 21:00*	*10/13/16 16:10*	*1*
2-Fluorobiphenyl	*84*		*42 - 115*	*10/12/16 21:00*	*10/13/16 16:10*	*1*
2-Fluorophenol	*71*		*40 - 130*	*10/12/16 21:00*	*10/13/16 16:10*	*1*
Nitrobenzene-d5	*81*		*33 - 124*	*10/12/16 21:00*	*10/13/16 16:10*	*1*
Phenol-d5	*83*		*36 - 123*	*10/12/16 21:00*	*10/13/16 16:10*	*1*
Terphenyl-d14	*98*		*25 - 150*	*10/12/16 21:00*	*10/13/16 16:10*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 04:25	1
Barium	**0.51**		0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:25	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:25	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:25	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:25	1
Copper	**0.061**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:25	1
Iron	<0.40		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:25	1
Manganese	**2.2**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:25	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:25	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:25	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.060**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:55	1
Barium	**0.56**		0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:55	1
Beryllium	**0.0061**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:55	1
Chromium	**0.12**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:55	1
Cobalt	**0.037**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:55	1
Copper	**0.20**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:55	1
Iron	**150**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:55	1
Lead	**0.026**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:55	1
Manganese	**0.53**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:55	1
Nickel	**0.15**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:55	1

Client Sample ID: CB-1(0-5)-100616
Date Collected: 10/06/16 13:15
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-14
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:55	1
Zinc	**0.32**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 04:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Arsenic	**8.9**		0.53	0.24	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Barium	**68**		0.53	0.097	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Beryllium	**0.60**		0.21	0.046	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Cadmium	**0.17**		0.11	0.031	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Calcium	**70000**	**B**	110	34	mg/Kg	☼	10/13/16 08:27	10/14/16 20:27	10
Chromium	**14**	**B**	0.53	0.091	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Cobalt	**13**		0.26	0.060	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Copper	**27**		0.53	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Iron	**19000**	**B**	11	4.1	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Lead	**15**		0.26	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Magnesium	**28000**		5.3	2.1	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Manganese	**340**		0.53	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Nickel	**32**		0.53	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Potassium	**1400**		26	4.3	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Sodium	**280**		53	7.0	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Thallium	**0.40**	**J**	0.53	0.26	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Vanadium	**17**		0.26	0.077	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1
Zinc	**55**		1.1	0.33	mg/Kg	☼	10/13/16 08:27	10/14/16 02:00	1

Method: 7470A - Mercury (CVAA) - TCLP

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		19	9.8	ug/Kg	☼	10/11/16 15:45	10/12/16 11:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.8**		0.2	0.2	SU			10/11/16 05:38	1

Client Sample ID: CB-1(5-10)-100616
Date Collected: 10/06/16 13:20
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-15
Matrix: Solid
Percent Solids: 83.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	3.4	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Benzene	<4.4		4.4	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Bromodichloromethane	<4.4		4.4	0.75	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Bromoform	<4.4		4.4	0.90	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Bromomethane	<4.4		4.4	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Carbon disulfide	<4.4		4.4	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Carbon tetrachloride	<4.4		4.4	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Chlorobenzene	<4.4		4.4	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Chloroethane	<4.4		4.4	1.9	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Chloroform	<4.4		4.4	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Chloromethane	<4.4		4.4	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
cis-1,2-Dichloroethene	<4.4		4.4	0.90	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
cis-1,3-Dichloropropene	<4.4		4.4	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Dibromochloromethane	<4.4		4.4	0.51	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
1,1-Dichloroethane	<4.4		4.4	0.91	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
1,2-Dichloroethane	<4.4		4.4	0.65	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
1,1-Dichloroethene	<4.4		4.4	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
1,2-Dichloropropane	<4.4		4.4	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
1,3-Dichloropropene, Total	<4.4		4.4	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Ethylbenzene	<4.4		4.4	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Methylene Chloride	<4.4		4.4	3.3	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Methyl Ethyl Ketone	<4.4		4.4	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
methyl isobutyl ketone	<4.4		4.4	0.91	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Methyl tert-butyl ether	<4.4		4.4	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Styrene	<4.4		4.4	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
1,1,2,2-Tetrachloroethane	<4.4		4.4	0.70	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Tetrachloroethene	<4.4		4.4	0.92	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Toluene	<4.4		4.4	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
trans-1,2-Dichloroethene	<4.4		4.4	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
trans-1,3-Dichloropropene	<4.4		4.4	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
1,1,1-Trichloroethane	<4.4		4.4	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
1,1,2-Trichloroethane	<4.4		4.4	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Trichloroethene	<4.4		4.4	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Vinyl chloride	<4.4		4.4	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1
Xylenes, Total	<8.8		8.8	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 120*	*10/06/16 17:20*	*10/12/16 21:59*	*1*
Dibromofluoromethane	*107*		*75 - 120*	*10/06/16 17:20*	*10/12/16 21:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*69 - 134*	*10/06/16 17:20*	*10/12/16 21:59*	*1*
Toluene-d8 (Surr)	*102*		*75 - 123*	*10/06/16 17:20*	*10/12/16 21:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Client Sample ID: CB-1(5-10)-100616
Date Collected: 10/06/16 13:20
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-15
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Anthracene	<39		39	6.6	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Carbazole	<200		200	99	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Chrysene	<39		39	11	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Fluorene	<39		39	5.6	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Hexachloroethane	<200		200	60	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1

Client Sample ID: CB-1(5-10)-100616
Date Collected: 10/06/16 13:20
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-15
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Isophorone	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Naphthalene	<39		39	6.1	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Phenol	<200		200	88	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1
Pyrene	<39		39	7.9	ug/Kg	☼	10/07/16 07:24	10/08/16 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*25 - 130*	*10/07/16 07:24*	*10/08/16 01:54*	*1*
2-Fluorobiphenyl	*101*		*42 - 115*	*10/07/16 07:24*	*10/08/16 01:54*	*1*
2-Fluorophenol	*98*		*40 - 130*	*10/07/16 07:24*	*10/08/16 01:54*	*1*
Nitrobenzene-d5	*98*		*33 - 124*	*10/07/16 07:24*	*10/08/16 01:54*	*1*
Phenol-d5	*74*		*36 - 123*	*10/07/16 07:24*	*10/08/16 01:54*	*1*
Terphenyl-d14	*170*	*X*	*25 - 150*	*10/07/16 07:24*	*10/08/16 01:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 04:29	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:29	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:29	1
Copper	**0.024**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:29	1
Iron	**0.66**		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:29	1
Manganese	**0.39**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:29	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:29	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:29	1
Zinc	**0.024**	**J**	0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.084**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:58	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:58	1
Beryllium	**0.0067**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:58	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:58	1
Chromium	**0.14**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:58	1
Cobalt	**0.042**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:58	1
Copper	**0.26**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:58	1
Iron	**190**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:58	1
Lead	**0.065**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:58	1
Manganese	**0.59**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:58	1
Nickel	**0.20**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:58	1

Client Sample ID: CB-1(5-10)-100616
Date Collected: 10/06/16 13:20
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-15
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:58	1
Zinc	**0.46**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 04:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Arsenic	**8.5**		0.56	0.26	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Barium	**39**		0.56	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Beryllium	**0.63**		0.22	0.048	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Cadmium	**0.17**		0.11	0.032	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Calcium	**32000**	**B**	11	3.6	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Chromium	**15**	**B**	0.56	0.096	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Cobalt	**15**		0.28	0.063	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Copper	**26**		0.56	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Iron	**19000**	**B**	11	4.3	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Lead	**16**		0.28	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Magnesium	**23000**		5.6	2.3	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Manganese	**360**		0.56	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Nickel	**34**		0.56	0.15	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Potassium	**2000**		28	4.5	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Selenium	<0.56		0.56	0.27	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Sodium	**180**		56	7.3	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Thallium	**0.65**		0.56	0.27	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Vanadium	**18**		0.28	0.081	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1
Zinc	**62**		1.1	0.35	mg/Kg	☼	10/13/16 08:27	10/14/16 02:11	1

Method: 7470A - Mercury (CVAA) - TCLP

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		18	9.2	ug/Kg	☼	10/11/16 15:45	10/12/16 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			10/11/16 06:08	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL

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

500-118244 COC

Report To (optional)
Contact: S. Balasubramanian
Company: Weston Solutions, Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8, 3.3

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		DR-6(4-9)-100616	10-6-16	0855	6	S	X	X	X	X	X					
2		DR-6(9-15)-100616		0910	6	S	X	X	X	X	X					
3		DR-6(9-15)-100616 D		0910	6	S	X	X	X	X	X					
4		DR-8 (4-9)-100616		0950	6	S	X	X	X	X	X					
5		DR-8(9-15)-100616		1000	6	S	X	X	X	X	X					
6		DR-7(4-9)-100616		1025	6	S	X	X	X	X	X					
7		DR-7(9-15)-100616		1035	6	S	X	X	X	X	X					
8		CC-3(4-10)-100616		1100	6	S	X	X	X	X	X					
9		CC-1-(4-10)-100616		1125	6	S	X	X	X	X	X					
10		TC-4(4-9)-100616	10-6-16	1155	6	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 ☒ 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	10-6-16	1505	David Becker	TA	10-6-16	1505
David Becker	TA	10/6/16	1610	Sherri Scott	TA-CHI	10/6/16	1610

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babuswkumar
Company: Weston Solution, Inc
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		TC-4(9-15)-100616	10-6-16	1205	6	S		X	X	X	X	X	
12		OP-1(0-4)-100616		1300	6	S		X	X	X	X	X	
13		OP-1(4-9)-100616		1310	6	S		X	X	X	X	X	
14		CB-1(0-5)-100616		1315	6	S		X	X	X	X	X	
15		CB-1(5-10)-100616		1320	6	S		X	X	X	X	X	
16		SA-5(4-8)-100616		~~1355~~ 1405	6	S		X	X	X	X	X	Sample time = 1405
17		R18-3(4-7)-100616		1425	6	S		X	X	X	X	X	
18		R18-3(4-7)-100616D		1425	6	S		X	X	X	X	X	
19		VB-5(4-9)-100616		1450	6	S		X	X	X	X	X	
20		VB-5(9-15)-100616	10-6-16	1500	6	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10/6/16	1505
David Becker	TA	10-6-16	1610	Allen Scott	TA-CHI	10/6/16	1610
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

Physical Site Location (address, inclduding number and street):
659 E Ogden Ave (ISGS SITE No. 2619V-10)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.786205973 (Decimal Degrees) Longitude: -88.136704754 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.786205973 Longitude: -88.136704754

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 SA-1, SA-2, SA-4, AND SA-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2619V-10 SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-92467-1, TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-92468-1, AND TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-118244-1.
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017
Date:

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

Summary Table of ISGS Site No. 2619V-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	SA-1(0-4)-021815	SA-2(0-5)-021815	SA-2(5-10)-021815	SA-2(5-10)-021815D	SA-2(10-15)-021815	SA-4(0-4)-021815	SA-5(4-8)-100616	Soil Reference Concentrations[A]
Sample Date	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	10/6/2016	
Location ID	SA-1	SA-2	SA-2	SA-2	SA-2	SA-4	SA-5	
Depth	0 - 4	0 - 5	5 - 10	5 - 10	10 - 15	0 - 4	4 - 8	
ISGS Site No.	2619V-10	2619V-10	2619V-10	2619V-10	2619V-10	2619V-10	2619V-10	
Parameter								
Laboratory pH (s.u.)	8.15	8.31	8.41	8.25	7.98	7.97	8.40	<6.25, >9.0
Total Metals (mg/kg)								
Antimony, Total	ND	ND	ND	ND	ND	ND	0.26 J	5
Arsenic, Total	9.6 J-	12 J-	10 J-	8.9 J-	6.9 J-	9.8 J+	8.6	11.3 / 13.0
Barium, Total	71	68	51	46	28	69	25	1500
Beryllium, Total	0.7	0.57	0.62	0.6	0.53	0.68	0.48	22
Cadmium, Total	0.26	0.22	0.29	0.24	0.28	0.22	0.22	5.2
Calcium, Total	54000 J+	31000 J+	50000 J+	46000 J+	57000 J+	34000 J	97000 B	---
Chromium, Total	18	14	17	17	16	17	11 B	21
Cobalt, Total	9.7 J	9.6 J	17 J	11 J	11 J	9.6 J-	10	20
Copper, Total	24	24	25	26	24	24 J-	23	2900
Iron, Total	22000 J-	21000 J-	23000 J-	22000 J-	19000 J-	21000 J	17000 B	15000 / 15900
Lead, Total	12	12	15	13	11	35 J	15	107
Magnesium, Total	36000 J+	18000 J+	28000 J+	30000 J+	30000 J+	22000 J	37000	325000
Manganese, Total	420 J	370 J	590 J	480 J	360 J	400 J	330	630
Mercury, Total	0.035 J	0.027 J	0.025 J	0.023 J	0.018 J	0.029	0.015 J	0.89
Nickel, Total	25 J-	29 J-	34 J-	27 J-	26 J-	23 J-	24	100
Potassium, Total	2700 J+	1600 J+	2900 J+	3000 J+	3100 J+	2300 J+	1500	---
Sodium, Total	300	220	470	480	300	140	230	---
Thallium, Total	0.97 J-	0.81 J-	1.3 J-	1.3 J-	1 J-	1.3	0.52	2.6
Vanadium, Total	24	18	20	20	18	22	13	550
Zinc, Total	42 J-	42 J-	49 J-	49 J-	47 J-	56 J+	57	5100
TCLP Metals (mg/l)								
Barium, TCLP	0.47 J	0.66	0.34 J	0.32 J	0.57	0.45 J	0.19 J	2
Cobalt, TCLP	ND	ND	ND	ND	0.051	ND	ND	1
Copper, TCLP	0.068	ND	0.064 J	ND	0.022 J	ND	0.052	0.65
Manganese, TCLP	0.14	0.13	1	1.2	2.5	0.095	1.5	0.15
Nickel, TCLP	ND	ND	0.011 J	0.011 J	0.1	ND	0.011 J	0.1
Zinc, TCLP	0.045 J	0.02 J	0.054 J	0.024 J	0.029 J	0.043 J	ND	5
SPLP Metals (mg/l)								
Arsenic, SPLP	ND	ND	0.039 J	0.016 J	ND	0.01 J	0.058	0.05
Barium, SPLP	0.11 J	0.099 J	0.23 J	0.14 J	0.057 J	0.16 J	0.25 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	0.0042	0.004
Chromium, SPLP	0.015 J	ND	0.069 J	0.033 J	ND	0.027	0.085	0.1
Cobalt, SPLP	ND	ND	0.029	0.011 J	ND	ND	0.031	1
Copper, SPLP	0.019 J	0.03	0.13 J	0.052 J	0.012 J	0.087	0.19	0.65
Iron, SPLP	12	4.9	84 J	34 J	1.1	21 J+	120 J+	5
Lead, SPLP	ND	ND	0.039 J	0.011 J	ND	0.037	0.045	0.0075
Manganese, SPLP	0.045	0.029	0.53 J	0.2 J	0.05	0.11	0.59	0.15
Nickel, SPLP	0.012 J	ND	0.098 J	0.038 J	ND	0.022 J	0.13	0.1
Zinc, SPLP	ND	ND	0.21 J	ND	ND	ND	0.33 J	5

Summary Table of ISGS Site No. 2619V-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	SA-1(0-4)-021815	SA-2(0-5)-021815	SA-2(5-10)-021815	SA-2(5-10)-021815D	SA-2(10-15)-021815	SA-4(0-4)-021815	SA-5(4-8)-100616	**Soil Reference Concentrations[A]**
Sample Date	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	10/6/2016	
Location ID	SA-1	SA-2	SA-2	SA-2	SA-2	SA-4	SA-5	
Depth	0 - 4	0 - 5	5 - 10	5 - 10	10 - 15	0 - 4	4 - 8	
ISGS Site No.	2619V-10	2619V-10	2619V-10	2619V-10	2619V-10	2619V-10	2619V-10	
Parameter								
VOCs (ug/kg)								
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	57	ND	---
Acetone	ND	ND	22	16	9.5	ND	ND	25000
SVOCs (ug/kg)								
2-Methylnaphthalene	ND	ND	ND	ND	11 J	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	35 J	ND	570000
Anthracene	ND	ND	ND	ND	ND	110	ND	1.20E+07
Benzo(a)anthracene	28 J	13 J	ND	ND	ND	540	ND	900 / 1100 / 1800
Benzo(a)pyrene	27 J	18 J	ND	ND	ND	530	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	34 J	25 J	ND	ND	ND	870	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	19 J	15 J	ND	ND	ND	340	ND	---
Benzo(k)fluoranthene	24 J	12 J	ND	ND	ND	270	ND	9000
Chrysene	28 J	15 J	ND	ND	12 J	580	ND	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90	ND	90 / 200 / 420
Di-N-Octyl phthalate	140 J	190	390	340	330	ND	ND	1600000
Fluoranthene	61	20 J	ND	ND	ND	1100 J	ND	3100000
Fluorene	ND	ND	ND	ND	ND	43	ND	560000
Indeno(1,2,3-cd)pyrene	14 J	13 J	ND	ND	ND	290	ND	900 / 900 / 1600
Phenanthrene	23 J	ND	ND	ND	34 J	580	ND	---
Pyrene	46	18 J	ND	ND	ND	1700 J	ND	2300000

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-92467-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
2/27/2015 4:26:22 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-1(0-4)-021815
Date Collected: 02/18/15 12:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-13
Matrix: Solid
Percent Solids: 82.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		02/21/15 04:20	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		02/21/15 04:20	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		02/21/15 04:20	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		02/21/15 04:20	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		02/21/15 04:20	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		02/21/15 04:20	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 04:20	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		02/21/15 04:20	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		02/21/15 04:20	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		02/21/15 04:20	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		02/21/15 04:20	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		02/21/15 04:20	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 04:20	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 04:20	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		02/21/15 04:20	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		02/21/15 04:20	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		02/21/15 04:20	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		02/21/15 04:20	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 04:20	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		02/21/15 04:20	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		02/21/15 04:20	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		02/21/15 04:20	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		02/21/15 04:20	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		02/21/15 04:20	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		02/21/15 04:20	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 04:20	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		02/21/15 04:20	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		02/21/15 04:20	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		02/21/15 04:20	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		02/21/15 04:20	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 04:20	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		02/21/15 04:20	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		02/21/15 04:20	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		02/21/15 04:20	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		02/21/15 04:20	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/21/15 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*02/21/15 04:20*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/21/15 04:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*02/21/15 04:20*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*02/21/15 04:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-1(0-4)-021815
Date Collected: 02/18/15 12:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-13
Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2-Methylnaphthalene	<40		40	7.3	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Acenaphthylene	<40		40	5.2	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Benzo[a]anthracene	**28**	**J**	40	5.4	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Benzo[a]pyrene	**27**	**J**	40	7.7	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Benzo[b]fluoranthene	**34**	**J**	40	8.6	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Benzo[g,h,i]perylene	**19**	**J**	40	13	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Benzo[k]fluoranthene	**24**	**J**	40	12	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Chrysene	**28**	**J**	40	11	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Di-n-octyl phthalate	**140**	**J**	200	65	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Fluoranthene	**61**		40	7.4	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Fluorene	<40		40	5.6	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-1(0-4)-021815
Date Collected: 02/18/15 12:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-13
Matrix: Solid
Percent Solids: 82.0

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	14	J	40	10	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Isophorone	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Naphthalene	<40		40	6.1	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Phenanthrene	23	J	40	5.5	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Phenol	<200		200	88	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1
Pyrene	46		40	7.9	ug/Kg	☼	02/23/15 07:10	02/24/15 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*02/23/15 07:10*	*02/24/15 04:00*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*02/23/15 07:10*	*02/24/15 04:00*	*1*
2-Fluorophenol	*55*		*25 - 110*	*02/23/15 07:10*	*02/24/15 04:00*	*1*
Nitrobenzene-d5	*54*		*25 - 115*	*02/23/15 07:10*	*02/24/15 04:00*	*1*
Phenol-d5	*57*		*31 - 110*	*02/23/15 07:10*	*02/24/15 04:00*	*1*
Terphenyl-d14	*70*		*36 - 134*	*02/23/15 07:10*	*02/24/15 04:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 05:43	1
Barium	0.47	J	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 05:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 05:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 05:43	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:43	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:43	1
Copper	0.068		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:43	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 05:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 05:43	1
Manganese	0.14		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:43	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:43	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 05:43	1
Silver	<0.025	^	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:43	1
Zinc	0.045	J	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 05:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/25/15 10:15	02/26/15 07:31	1
Barium	0.11	J	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 07:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 07:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 07:31	1
Chromium	0.015	J	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:31	1
Cobalt	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:31	1
Copper	0.019	J	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:31	1
Iron	12		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 07:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:24	1
Manganese	0.045		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:31	1
Nickel	0.012	J	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:31	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 07:31	1

Client Sample ID: SA-1(0-4)-021815
Date Collected: 02/18/15 12:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:31	1
Zinc	**0.041**	**J B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 07:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.56**	**J B**	1.1	0.23	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Arsenic	**9.6**		0.56	0.26	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Barium	**71**		0.56	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Beryllium	**0.70**		0.22	0.049	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Cadmium	**0.26**		0.11	0.033	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Calcium	**54000**		11	3.6	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Chromium	**18**		0.56	0.097	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Cobalt	**9.7**		0.28	0.063	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Copper	**24**		0.56	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Iron	**22000**		11	4.3	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Lead	**12**		0.28	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Magnesium	**36000**		5.6	2.3	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Manganese	**420**		0.56	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Nickel	**25**		0.56	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Potassium	**2700**		28	4.6	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Sodium	**300**		56	7.4	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Thallium	**0.97**		0.56	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Vanadium	**24**		0.28	0.082	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1
Zinc	**42**	**B**	1.1	0.36	mg/Kg	☼	02/22/15 18:41	02/23/15 22:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**35**		18	6.2	ug/Kg	☼	02/23/15 15:00	02/24/15 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.15**		0.200	0.200	SU			02/23/15 12:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(0-5)-021815
Date Collected: 02/18/15 12:20
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-14
Matrix: Solid
Percent Solids: 83.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/21/15 04:45	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 04:45	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 04:45	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/21/15 04:45	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/21/15 04:45	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 04:45	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 04:45	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/21/15 04:45	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 04:45	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/21/15 04:45	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 04:45	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		02/21/15 04:45	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 04:45	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 04:45	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		02/21/15 04:45	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 04:45	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		02/21/15 04:45	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/21/15 04:45	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 04:45	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 04:45	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/21/15 04:45	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 04:45	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/21/15 04:45	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 04:45	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/21/15 04:45	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 04:45	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 04:45	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		02/21/15 04:45	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/21/15 04:45	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 04:45	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 04:45	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 04:45	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 04:45	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		02/21/15 04:45	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 04:45	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/21/15 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*02/21/15 04:45*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*02/21/15 04:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*02/21/15 04:45*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*02/21/15 04:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(0-5)-021815
Date Collected: 02/18/15 12:20
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-14
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2-Methylphenol	<190		190	61	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Anthracene	<37		37	6.3	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Benzo[a]anthracene	**13**	**J**	37	5.1	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Benzo[a]pyrene	**18**	**J**	37	7.3	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Benzo[b]fluoranthene	**25**	**J**	37	8.1	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Benzo[g,h,i]perylene	**15**	**J**	37	12	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Benzo[k]fluoranthene	**12**	**J**	37	11	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Carbazole	<190		190	97	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Chrysene	**15**	**J**	37	10	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Di-n-octyl phthalate	**190**		190	62	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Fluoranthene	**20**	**J**	37	7.0	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Fluorene	<37		37	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Hexachloroethane	<190		190	57	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(0-5)-021815
Date Collected: 02/18/15 12:20
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-14
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**13**	**J**	37	9.8	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Isophorone	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Naphthalene	<37		37	5.8	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Phenanthrene	<37		37	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Phenol	<190		190	84	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1
Pyrene	**18**	**J**	37	7.5	ug/Kg	☼	02/23/15 07:10	02/24/15 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 137*	*02/23/15 07:10*	*02/24/15 16:30*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*02/23/15 07:10*	*02/24/15 16:30*	*1*
2-Fluorophenol	*62*		*25 - 110*	*02/23/15 07:10*	*02/24/15 16:30*	*1*
Nitrobenzene-d5	*66*		*25 - 115*	*02/23/15 07:10*	*02/24/15 16:30*	*1*
Phenol-d5	*61*		*31 - 110*	*02/23/15 07:10*	*02/24/15 16:30*	*1*
Terphenyl-d14	*79*		*36 - 134*	*02/23/15 07:10*	*02/24/15 16:30*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 05:49	1
Barium	**0.66**		0.50	0.050	mg/L		02/26/15 09:40	02/27/15 05:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 05:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 05:49	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:49	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:49	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:49	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 05:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 05:49	1
Manganese	**0.13**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:49	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:49	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 05:49	1
Silver	<0.025	^	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:49	1
Zinc	**0.020**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 05:49	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		02/25/15 10:15	02/26/15 07:37	1
Barium	**0.099**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 07:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 07:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 07:37	1
Chromium	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:37	1
Cobalt	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:37	1
Copper	**0.030**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:37	1
Iron	**4.9**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 07:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:28	1
Manganese	**0.029**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:37	1
Nickel	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:37	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 07:37	1

Client Sample ID: SA-2(0-5)-021815
Date Collected: 02/18/15 12:20
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:37	1
Zinc	**0.039**	**J B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 07:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.60**	**J B**	1.1	0.23	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Arsenic	**12**		0.56	0.26	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Barium	**68**		0.56	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Beryllium	**0.57**		0.22	0.048	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Cadmium	**0.22**		0.11	0.032	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Calcium	**31000**		11	3.6	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Chromium	**14**		0.56	0.096	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Cobalt	**9.6**		0.28	0.063	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Copper	**24**		0.56	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Iron	**21000**		11	4.3	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Lead	**12**		0.28	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Magnesium	**18000**		5.6	2.3	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Manganese	**370**		0.56	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Nickel	**29**		0.56	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Potassium	**1600**		28	4.6	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Sodium	**220**		56	7.4	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Thallium	**0.81**		0.56	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Vanadium	**18**		0.28	0.082	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1
Zinc	**42**	**B**	1.1	0.35	mg/Kg	☼	02/22/15 18:41	02/23/15 22:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		18	6.4	ug/Kg	☼	02/23/15 15:00	02/24/15 11:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.31**		0.200	0.200	SU			02/23/15 12:07	1

Client Sample ID: SA-2(5-10)-021815
Date Collected: 02/18/15 12:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-15
Matrix: Solid
Percent Solids: 83.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	22		6.0	2.6	ug/Kg	☼		02/21/15 05:09	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		02/21/15 05:09	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 05:09	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/21/15 05:09	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/21/15 05:09	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		02/21/15 05:09	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 05:09	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/21/15 05:09	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 05:09	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/21/15 05:09	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 05:09	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		02/21/15 05:09	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 05:09	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 05:09	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		02/21/15 05:09	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 05:09	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		02/21/15 05:09	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/21/15 05:09	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 05:09	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 05:09	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/21/15 05:09	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 05:09	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/21/15 05:09	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 05:09	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 05:09	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 05:09	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 05:09	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		02/21/15 05:09	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/21/15 05:09	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		02/21/15 05:09	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 05:09	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		02/21/15 05:09	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 05:09	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		02/21/15 05:09	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 05:09	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/21/15 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*02/21/15 05:09*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/21/15 05:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*02/21/15 05:09*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*02/21/15 05:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(5-10)-021815
Date Collected: 02/18/15 12:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-15
Matrix: Solid
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Anthracene	<39		39	6.5	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Chrysene	<39		39	11	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Di-n-octyl phthalate	**390**		200	64	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Fluorene	<39		39	5.5	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(5-10)-021815
Date Collected: 02/18/15 12:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-15
Matrix: Solid
Percent Solids: 83.0

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	<39		39	10	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Isophorone	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Phenol	<200		200	87	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1
Pyrene	<39		39	7.8	ug/Kg	☼	02/23/15 07:10	02/24/15 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*35 - 137*	*02/23/15 07:10*	*02/24/15 04:19*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*02/23/15 07:10*	*02/24/15 04:19*	*1*
2-Fluorophenol	*56*		*25 - 110*	*02/23/15 07:10*	*02/24/15 04:19*	*1*
Nitrobenzene-d5	*55*		*25 - 115*	*02/23/15 07:10*	*02/24/15 04:19*	*1*
Phenol-d5	*57*		*31 - 110*	*02/23/15 07:10*	*02/24/15 04:19*	*1*
Terphenyl-d14	*74*		*36 - 134*	*02/23/15 07:10*	*02/24/15 04:19*	*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		02/26/15 09:40	02/27/15 05:56	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 05:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 05:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 05:56	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:56	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:56	1
Copper	**0.064**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:56	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 05:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 05:56	1
Manganese	**1.0**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:56	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:56	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 05:56	1
Silver	<0.025	^	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:56	1
Zinc	**0.054**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 05:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.039**	**J**	0.050	0.010	mg/L		02/25/15 10:15	02/26/15 07:43	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 07:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 07:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 07:43	1
Chromium	**0.069**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:43	1
Cobalt	**0.029**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:43	1
Copper	**0.13**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:43	1
Iron	**84**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 07:43	1
Lead	**0.039**		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:32	1
Manganese	**0.53**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:43	1
Nickel	**0.098**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:43	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 07:43	1

Client Sample ID: SA-2(5-10)-021815
Date Collected: 02/18/15 12:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:43	1
Zinc	**0.21**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 07:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.61**	**J B**	1.2	0.25	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Arsenic	**10**		0.60	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Barium	**51**		0.60	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Beryllium	**0.62**		0.24	0.052	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Cadmium	**0.29**		0.12	0.035	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Calcium	**50000**		12	3.9	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Chromium	**17**		0.60	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Cobalt	**17**		0.30	0.068	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Copper	**25**		0.60	0.13	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Iron	**23000**		12	4.6	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Lead	**15**		0.30	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Magnesium	**28000**		6.0	2.4	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Manganese	**590**		0.60	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Nickel	**34**		0.60	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Potassium	**2900**		30	4.9	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Sodium	**470**		60	7.9	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Thallium	**1.3**		0.60	0.30	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Vanadium	**20**		0.30	0.088	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1
Zinc	**49**	**B**	1.2	0.38	mg/Kg	☼	02/22/15 18:41	02/23/15 22:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		19	6.6	ug/Kg	☼	02/23/15 15:00	02/24/15 11:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.41**		0.200	0.200	SU			02/23/15 12:11	1

Client Sample ID: SA-2(5-10)-021815D
Date Collected: 02/18/15 12:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-16
Matrix: Solid
Percent Solids: 82.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16		6.1	2.6	ug/Kg	☼		02/21/15 05:33	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		02/21/15 05:33	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		02/21/15 05:33	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		02/21/15 05:33	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		02/21/15 05:33	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		02/21/15 05:33	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 05:33	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		02/21/15 05:33	1
Chloroethane	<6.1		6.1	1.6	ug/Kg	☼		02/21/15 05:33	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		02/21/15 05:33	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		02/21/15 05:33	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		02/21/15 05:33	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 05:33	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 05:33	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		02/21/15 05:33	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		02/21/15 05:33	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		02/21/15 05:33	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		02/21/15 05:33	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 05:33	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		02/21/15 05:33	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		02/21/15 05:33	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		02/21/15 05:33	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		02/21/15 05:33	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		02/21/15 05:33	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		02/21/15 05:33	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 05:33	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		02/21/15 05:33	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		02/21/15 05:33	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		02/21/15 05:33	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		02/21/15 05:33	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 05:33	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		02/21/15 05:33	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		02/21/15 05:33	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		02/21/15 05:33	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		02/21/15 05:33	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/21/15 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*02/21/15 05:33*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*02/21/15 05:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*02/21/15 05:33*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*02/21/15 05:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(5-10)-021815D
Date Collected: 02/18/15 12:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-16
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Chrysene	<40		40	11	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Di-n-octyl phthalate	**340**		200	65	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Fluorene	<40		40	5.6	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(5-10)-021815D
Date Collected: 02/18/15 12:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-16
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Isophorone	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Phenol	<200		200	89	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1
Pyrene	<40		40	8.0	ug/Kg	☼	02/23/15 07:10	02/24/15 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*02/23/15 07:10*	*02/24/15 16:50*	*1*
2-Fluorobiphenyl	*49*		*25 - 119*	*02/23/15 07:10*	*02/24/15 16:50*	*1*
2-Fluorophenol	*49*		*25 - 110*	*02/23/15 07:10*	*02/24/15 16:50*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*02/23/15 07:10*	*02/24/15 16:50*	*1*
Phenol-d5	*49*		*31 - 110*	*02/23/15 07:10*	*02/24/15 16:50*	*1*
Terphenyl-d14	*66*		*36 - 134*	*02/23/15 07:10*	*02/24/15 16:50*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 06:02	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 06:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 06:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 06:02	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:02	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:02	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:02	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 06:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 06:02	1
Manganese	**1.2**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:02	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:02	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 06:02	1
Silver	<0.025	^	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:02	1
Zinc	**0.024**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 06:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**	**J**	0.050	0.010	mg/L		02/25/15 10:15	02/26/15 07:50	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 07:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 07:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 07:50	1
Chromium	**0.033**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:50	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:50	1
Copper	**0.052**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:50	1
Iron	**34**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 07:50	1
Lead	**0.011**		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:46	1
Manganese	**0.20**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:50	1
Nickel	**0.038**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:50	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 07:50	1

Client Sample ID: SA-2(5-10)-021815D
Date Collected: 02/18/15 12:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:50	1
Zinc	**0.093**	**J B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 07:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.66**	**J B**	1.1	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Arsenic	**8.9**		0.57	0.26	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Barium	**46**		0.57	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Beryllium	**0.60**		0.23	0.049	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Cadmium	**0.24**		0.11	0.033	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Calcium	**46000**		11	3.7	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Chromium	**17**		0.57	0.098	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Cobalt	**11**		0.28	0.064	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Copper	**26**		0.57	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Iron	**22000**		11	4.4	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Lead	**13**		0.28	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Magnesium	**30000**		5.7	2.3	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Manganese	**480**		0.57	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Nickel	**27**		0.57	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Potassium	**3000**		28	4.6	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Sodium	**480**		57	7.5	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Thallium	**1.3**		0.57	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Vanadium	**20**		0.28	0.083	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1
Zinc	**49**	**B**	1.1	0.36	mg/Kg	☼	02/22/15 18:41	02/23/15 23:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 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	**23**		18	6.4	ug/Kg	☼	02/23/15 15:00	02/24/15 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.25**		0.200	0.200	SU			02/23/15 12:15	1

Client Sample ID: SA-2(10-15)-021815
Date Collected: 02/18/15 12:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-17
Matrix: Solid
Percent Solids: 84.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.5		5.9	2.5	ug/Kg	☼		02/21/15 05:57	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		02/21/15 05:57	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/21/15 05:57	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		02/21/15 05:57	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		02/21/15 05:57	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		02/21/15 05:57	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		02/21/15 05:57	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		02/21/15 05:57	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		02/21/15 05:57	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		02/21/15 05:57	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		02/21/15 05:57	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		02/21/15 05:57	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		02/21/15 05:57	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/21/15 05:57	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		02/21/15 05:57	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		02/21/15 05:57	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		02/21/15 05:57	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		02/21/15 05:57	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		02/21/15 05:57	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		02/21/15 05:57	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		02/21/15 05:57	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		02/21/15 05:57	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		02/21/15 05:57	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		02/21/15 05:57	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		02/21/15 05:57	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		02/21/15 05:57	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		02/21/15 05:57	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		02/21/15 05:57	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		02/21/15 05:57	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		02/21/15 05:57	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		02/21/15 05:57	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		02/21/15 05:57	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		02/21/15 05:57	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		02/21/15 05:57	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		02/21/15 05:57	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		02/21/15 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*02/21/15 05:57*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/21/15 05:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*02/21/15 05:57*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/21/15 05:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(10-15)-021815
Date Collected: 02/18/15 12:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-17
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2-Methylnaphthalene	**11**	**J**	37	6.8	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2-Methylphenol	<190		190	60	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Anthracene	<37		37	6.2	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Carbazole	<190		190	96	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Chrysene	**12**	**J**	37	10	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Di-n-octyl phthalate	**330**		190	61	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Fluorene	<37		37	5.2	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Hexachloroethane	<190		190	57	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: SA-2(10-15)-021815
Date Collected: 02/18/15 12:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-17
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Isophorone	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Naphthalene	<37		37	5.7	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Phenanthrene	**34**	**J**	37	5.2	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Phenol	<190		190	83	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1
Pyrene	<37		37	7.4	ug/Kg	☼	02/23/15 07:10	02/24/15 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*35 - 137*	*02/23/15 07:10*	*02/24/15 17:11*	*1*
2-Fluorobiphenyl	*49*		*25 - 119*	*02/23/15 07:10*	*02/24/15 17:11*	*1*
2-Fluorophenol	*45*		*25 - 110*	*02/23/15 07:10*	*02/24/15 17:11*	*1*
Nitrobenzene-d5	*42*		*25 - 115*	*02/23/15 07:10*	*02/24/15 17:11*	*1*
Phenol-d5	*48*		*31 - 110*	*02/23/15 07:10*	*02/24/15 17:11*	*1*
Terphenyl-d14	*69*		*36 - 134*	*02/23/15 07:10*	*02/24/15 17:11*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 06:08	1
Barium	**0.57**		0.50	0.050	mg/L		02/26/15 09:40	02/27/15 06:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 06:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 06:08	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:08	1
Cobalt	**0.051**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:08	1
Copper	**0.022**	**J**	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:08	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 06:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 06:08	1
Manganese	**2.5**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:08	1
Nickel	**0.10**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:08	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 06:08	1
Silver	<0.025	^	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 06:08	1
Zinc	**0.029**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/25/15 10:15	02/26/15 07:56	1
Barium	**0.057**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 07:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 07:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 07:56	1
Chromium	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:56	1
Cobalt	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:56	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:56	1
Iron	**1.1**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 07:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:50	1
Manganese	**0.050**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:56	1
Nickel	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:56	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 07:56	1

Client Sample ID: SA-2(10-15)-021815
Date Collected: 02/18/15 12:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:56	1
Zinc	0.021	J B	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 07:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J B	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Arsenic	6.9		0.58	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Barium	28		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Beryllium	0.53		0.23	0.050	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Cadmium	0.28		0.12	0.033	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Calcium	57000		12	3.7	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Chromium	16		0.58	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Cobalt	11		0.29	0.065	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Copper	24		0.58	0.13	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Iron	19000		12	4.5	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Lead	11		0.29	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Magnesium	30000		5.8	2.3	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Manganese	360		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Nickel	26		0.58	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Potassium	3100		29	4.7	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Sodium	300		58	7.6	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Thallium	1.0		0.58	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Vanadium	18		0.29	0.084	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1
Zinc	47	B	1.2	0.37	mg/Kg	☼	02/22/15 18:41	02/23/15 23:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18	J	19	6.8	ug/Kg	☼	02/23/15 15:00	02/24/15 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.98		0.200	0.200	SU			02/23/15 12:22	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
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.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Babu Babusukumar
Company: weston
Address: 300 Plaza Circle #202
Address: Mundelein, IL 60060
Phone:
Fax:
E-Mail: Babu.Babusukumar@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-92467
Chain of Custody Number:
Page 2 of 6
Temperature °C of Cooler:

Client: Weston Solutions
Client Project #: 002
Project Name: IDOT-US Route 34-002
Project Location/State: Naperville, IL
Lab Project #: 50010634
Sampler: D. Sena
Lab PM: R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (Pres. 7)	SVOCs (Pres. 7)	Metals (Pres. 7)	TCLP/SPLP Metals (Pres. 7)	pH (Pres. 7)					Comments
11		R18-1(0-4)-021815	2-18-15	11:25	2	So	X	X	X	X	X					
12		R18-2(0-4)-021815	↓	11:40	↓	↓	↓	↓	↓	↓	↓					
13		SA-1(0-4)-021815	↓	12:00	↓	↓	↓	↓	↓	↓	↓					
14		SA-2(0-5)-021815	↓	12:20	↓	↓	↓	↓	↓	↓	↓					
15		SA-2(5-10)-021815	↓	12:25	↓	↓	↓	↓	↓	↓	↓					
16		SA-2(5-10)-021815D	↓	12:25	↓	↓	↓	↓	↓	↓	↓					
17		SA-2(10-15)-021815	↓	12:30	↓	↓	↓	↓	↓	↓	↓					
18		SA-3(0-5)-021815	↓	13:00	↓	↓	↓	↓	↓	↓	↓					
19		SA-3(5-10)-021815	↓	13:05	↓	↓	↓	↓	↓	↓	↓					
20		SA-3(10-15)-021815	2-18-15	13:10	2	So	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	2-18-15	13:50	[signature]	TA	2/19/15	1350
[signature]	TA	2/19/15	1500	Sherri Scott	TA-CHI	2/19/15	1500

Lab Courier: [signature]
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1208)

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-92468-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
3/2/2015 2:57:20 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: SA-4(0-4)-021815
Date Collected: 02/18/15 13:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-1
Matrix: Solid
Percent Solids: 84.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		02/23/15 22:51	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		02/23/15 22:51	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/23/15 22:51	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		02/23/15 22:51	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		02/23/15 22:51	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		02/23/15 22:51	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		02/23/15 22:51	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		02/23/15 22:51	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		02/23/15 22:51	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		02/23/15 22:51	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		02/23/15 22:51	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		02/23/15 22:51	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		02/23/15 22:51	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/23/15 22:51	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		02/23/15 22:51	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		02/23/15 22:51	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		02/23/15 22:51	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		02/23/15 22:51	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		02/23/15 22:51	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		02/23/15 22:51	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		02/23/15 22:51	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		02/23/15 22:51	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		02/23/15 22:51	1
methyl isobutyl ketone	**57**		5.9	1.6	ug/Kg	☼		02/23/15 22:51	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		02/23/15 22:51	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		02/23/15 22:51	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		02/23/15 22:51	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		02/23/15 22:51	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		02/23/15 22:51	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		02/23/15 22:51	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		02/23/15 22:51	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		02/23/15 22:51	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		02/23/15 22:51	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		02/23/15 22:51	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		02/23/15 22:51	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/23/15 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*02/23/15 22:51*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*02/23/15 22:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 134*		*02/23/15 22:51*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*02/23/15 22:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: SA-4(0-4)-021815
Date Collected: 02/18/15 13:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-1
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Acenaphthene	**35**	**J**	39	7.0	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Anthracene	**110**		39	6.5	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Benzo[a]anthracene	**540**		39	5.3	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Benzo[a]pyrene	**530**		39	7.6	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Benzo[b]fluoranthene	**870**		39	8.5	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Benzo[g,h,i]perylene	**340**		39	13	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Benzo[k]fluoranthene	**270**		39	12	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Chrysene	**580**		39	11	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Dibenz(a,h)anthracene	**90**		39	7.6	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Fluoranthene	**1100**		39	7.3	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Fluorene	**43**		39	5.5	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: SA-4(0-4)-021815
Date Collected: 02/18/15 13:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-1
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**290**		39	10	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Isophorone	<200		200	44	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Phenanthrene	**580**		39	5.5	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Phenol	<200		200	87	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1
Pyrene	**1700**		39	7.8	ug/Kg	☼	02/23/15 07:18	02/24/15 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 137*	*02/23/15 07:18*	*02/24/15 11:06*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*02/23/15 07:18*	*02/24/15 11:06*	*1*
2-Fluorophenol	*50*		*25 - 110*	*02/23/15 07:18*	*02/24/15 11:06*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*02/23/15 07:18*	*02/24/15 11:06*	*1*
Phenol-d5	*50*		*31 - 110*	*02/23/15 07:18*	*02/24/15 11:06*	*1*
Terphenyl-d14	*124*		*36 - 134*	*02/23/15 07:18*	*02/24/15 11:06*	*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		02/27/15 09:20	02/27/15 19:10	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/27/15 09:20	02/27/15 19:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 19:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 19:10	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:10	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:10	1
Copper	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:10	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 19:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 19:10	1
Manganese	**0.095**		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:10	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:10	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 19:10	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:10	1
Zinc	**0.043**	**J**	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 19:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		02/26/15 10:20	02/27/15 00:29	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		02/26/15 10:20	02/27/15 00:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 00:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 00:29	1
Chromium	**0.027**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 00:29	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 00:29	1
Copper	**0.087**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 00:29	1
Iron	**21**		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 00:29	1
Lead	**0.037**		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 00:29	1
Manganese	**0.11**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 00:29	1
Nickel	**0.022**	**J**	0.025	0.010	mg/L		02/26/15 10:20	02/27/15 00:29	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 00:29	1

Client Sample ID: SA-4(0-4)-021815
Date Collected: 02/18/15 13:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 00:29	1
Zinc	**0.14**	**B**	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 00:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.68**	**J B**	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Arsenic	**9.8**		0.58	0.27	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Barium	**69**		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Beryllium	**0.68**		0.23	0.050	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Cadmium	**0.22**		0.12	0.034	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Calcium	**34000**		12	3.7	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Chromium	**17**		0.58	0.10	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Cobalt	**9.6**		0.29	0.066	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Copper	**24**		0.58	0.13	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Iron	**21000**		12	4.5	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Lead	**35**		0.29	0.14	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Magnesium	**22000**		5.8	2.4	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Manganese	**400**		0.58	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Nickel	**23**		0.58	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Potassium	**2300**		29	4.7	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Sodium	**140**		58	7.7	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Thallium	**1.3**		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Vanadium	**22**		0.29	0.085	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1
Zinc	**56**	**B**	1.2	0.37	mg/Kg	☼	02/22/15 18:41	02/24/15 02:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		20	6.9	ug/Kg	☼	02/23/15 15:00	02/24/15 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.97**		0.200	0.200	SU			02/23/15 13:45	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.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
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.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-92468 COC

Chain of Custody Record

Lab Job #: 500-92468

Chain of Custody Number:

Page 3 of 6

Temperature °C of Cooler: (3.2)(2.8)(3.4)

(optional) Report To	(optional) Bill To
Contact: S. Babasunkumar	Contact:
Company: Weston Solutions	Company:
Address: 300 Plaza Circle #202	Address:
Address: Mundelein, IL 60060	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Babu.Babasunkumar@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions	002
Project Name	
IDOT-US Route 34-002	
Project Location/State	Lab Project #
Naperville, IL	50010634
Sampler	Lab PM
D. Sena	R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Metals	TCL/Spec Metals	pH	Comments
							7	VOCs	SVOCs	Metals	TCL/Spec Metals	pH	
1		SA-4(0-4)-021815	2-18-15	13:30	2	SO		X	X	X	X	X	
2		TC-1(0-4)-021815		14:10									
3		TC-2(0-4)-021815		14:30									
4		TC-3(0-4)-021815		14:40									
5		CC-1(0-4)-021815		14:50									
6		CC-2(0-5)-021815		15:15									
7		CC-2(5-10)-021815		15:20									
8		CC-2(10-15)-021815		15:25									
9		CC-3(0-4)-021815		15:50									
10		CC-4(0-4)-021815	2-18-15	16:00	2	SO		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	2-19-15	13:50		TA	2/19/15	1358
	TA	2/19/15	1500		TA-CHI	2/19/15	1500

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-580-(1209)

3/2/2015

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-118244-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/17/2016 4:06:53 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Client Sample ID: SA-5(4-8)-100616
Date Collected: 10/06/16 14:05
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-16
Matrix: Solid
Percent Solids: 83.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	2.9	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Benzene	<3.8		3.8	0.84	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Bromodichloromethane	<3.8		3.8	0.64	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Bromoform	<3.8		3.8	0.77	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Carbon disulfide	<3.8		3.8	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Carbon tetrachloride	<3.8		3.8	0.81	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Chlorobenzene	<3.8		3.8	0.89	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Chloroethane	<3.8		3.8	1.6	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Chloroform	<3.8		3.8	0.74	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Chloromethane	<3.8		3.8	0.91	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
cis-1,2-Dichloroethene	<3.8		3.8	0.77	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
cis-1,3-Dichloropropene	<3.8		3.8	0.86	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Dibromochloromethane	<3.8		3.8	0.44	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
1,1-Dichloroethane	<3.8		3.8	0.78	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
1,2-Dichloroethane	<3.8		3.8	0.56	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
1,1-Dichloroethene	<3.8		3.8	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
1,2-Dichloropropane	<3.8		3.8	0.99	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
1,3-Dichloropropene, Total	<3.8		3.8	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Ethylbenzene	<3.8		3.8	0.94	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Methylene Chloride	<3.8		3.8	2.9	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Methyl Ethyl Ketone	<3.8		3.8	1.3	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
methyl isobutyl ketone	<3.8		3.8	0.78	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Methyl tert-butyl ether	<3.8		3.8	0.89	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Styrene	<3.8		3.8	0.89	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
1,1,2,2-Tetrachloroethane	<3.8		3.8	0.60	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Tetrachloroethene	<3.8		3.8	0.79	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Toluene	<3.8		3.8	1.3	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
trans-1,2-Dichloroethene	<3.8		3.8	0.95	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
trans-1,3-Dichloropropene	<3.8		3.8	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
1,1,1-Trichloroethane	<3.8		3.8	0.88	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
1,1,2-Trichloroethane	<3.8		3.8	0.73	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Trichloroethene	<3.8		3.8	1.0	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Vinyl chloride	<3.8		3.8	0.90	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1
Xylenes, Total	<7.6		7.6	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 120*	*10/06/16 17:20*	*10/13/16 14:01*	*1*
Dibromofluoromethane	*110*		*75 - 120*	*10/06/16 17:20*	*10/13/16 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*69 - 134*	*10/06/16 17:20*	*10/13/16 14:01*	*1*
Toluene-d8 (Surr)	*97*		*75 - 123*	*10/06/16 17:20*	*10/13/16 14:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Client Sample ID: SA-5(4-8)-100616
Date Collected: 10/06/16 14:05
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-16
Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Carbazole	<190		190	94	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Chrysene	<37		37	10	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1

Client Sample ID: SA-5(4-8)-100616
Date Collected: 10/06/16 14:05
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-16
Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Isophorone	<190		190	42	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Phenanthrene	<37		37	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Phenol	<190		190	84	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1
Pyrene	<37		37	7.5	ug/Kg	☼	10/07/16 07:24	10/08/16 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*25 - 130*	*10/07/16 07:24*	*10/08/16 02:19*	*1*
2-Fluorobiphenyl	*100*		*42 - 115*	*10/07/16 07:24*	*10/08/16 02:19*	*1*
2-Fluorophenol	*97*		*40 - 130*	*10/07/16 07:24*	*10/08/16 02:19*	*1*
Nitrobenzene-d5	*104*		*33 - 124*	*10/07/16 07:24*	*10/08/16 02:19*	*1*
Phenol-d5	*73*		*36 - 123*	*10/07/16 07:24*	*10/08/16 02:19*	*1*
Terphenyl-d14	*171*	*X*	*25 - 150*	*10/07/16 07:24*	*10/08/16 02:19*	*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		10/14/16 14:13	10/16/16 04:34	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:34	1
Copper	**0.052**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:34	1
Iron	<0.40		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:34	1
Manganese	**1.5**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:34	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:34	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:34	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.058**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 05:03	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 05:03	1
Beryllium	**0.0042**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 05:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 05:03	1
Chromium	**0.085**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:03	1
Cobalt	**0.031**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:03	1
Copper	**0.19**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:03	1
Iron	**120**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 05:03	1
Lead	**0.045**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 05:03	1
Manganese	**0.59**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:03	1
Nickel	**0.13**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 05:03	1

Client Sample ID: SA-5(4-8)-100616
Date Collected: 10/06/16 14:05
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-16
Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:03	1
Zinc	**0.33**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 05:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.26**	**J**	1.0	0.21	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Arsenic	**8.6**		0.52	0.24	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Barium	**25**		0.52	0.095	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Beryllium	**0.48**		0.21	0.045	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Cadmium	**0.22**		0.10	0.030	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Calcium	**97000**	**B**	100	33	mg/Kg	☼	10/13/16 08:27	10/14/16 20:30	10
Chromium	**11**	**B**	0.52	0.089	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Cobalt	**10**		0.26	0.058	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Copper	**23**		0.52	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Iron	**17000**	**B**	10	4.0	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Lead	**15**		0.26	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Magnesium	**37000**		5.2	2.1	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Manganese	**330**		0.52	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Nickel	**24**		0.52	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Potassium	**1500**		26	4.2	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Sodium	**230**		52	6.8	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Thallium	**0.52**		0.52	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Vanadium	**13**		0.26	0.075	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1
Zinc	**57**		1.0	0.33	mg/Kg	☼	10/13/16 08:27	10/14/16 02:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	19	9.8	ug/Kg	☼	10/11/16 15:45	10/12/16 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			10/11/16 06:37	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-118244 COC

Report To (optional)	
Contact:	S. Balasubkumar
Company:	Weston Solutions, Inc
Address:	300 Plaza Circle, Ste 202
Address:	Mundelein, IL 60060
Phone:	224-864-7250
Fax:	224-864-7236
E-Mail:	

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

Chain of Custody Record

Lab Job #: 500-118244

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.8, 3.3

Client: Weston | Client Project #:

Project Name: IDOT 002

Project Location/State: Naperville / IL | Lab Project #:

Sampler: T. Walls | Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		DR-6(4-9)-100616	10-6-16	0855	6	S	X	X	X	X	X					
2		DR-6(9-15)-100616		0910	6	S	X	X	X	X	X					
3		DR-6(9-15)-100616 D		0910	6	S	X	X	X	X	X					
4		DR-8(4-9)-100616		0950	6	S	X	X	X	X	X					
5		DR-8(9-15)-100616		1000	6	S	X	X	X	X	X					
6		DR-7(4-9)-100616		1025	6	S	X	X	X	X	X					
7		DR-7(9-15)-100616		1035	6	S	X	X	X	X	X					
8		CC-3(4-10)-100616		1100	6	S	X	X	X	X	X					
9		CC-1-(4-10)-100616		1125	6	S	X	X	X	X	X					
10		TC-4(4-9)-100616	10-6-16	1155	6	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
T. Walls	Weston	10-6-16	1505	David Becker	TA	10-6-16	1505
David Becker	TA	10/6/16	1610	Shaun Scott	TA-CPT	10/6/16	1610

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1208)

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. Babuswkumar
Company: Weston Solution, Inc
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		TC-4(9-15)-100616	10-6-16	1205	6	S		X	X	X	X	X	
12		OP-1(0-4)-100616		1300	6	S		X	X	X	X	X	
13		OP-1(4-9)-100616		1310	6	S		X	X	X	X	X	
14		CB-1(0-5)-100616		1315	6	S		X	X	X	X	X	
15		CB-1(5-10)-100616		1320	6	S		X	X	X	X	X	
16		SA-5(4-8)-100616		~~1355~~ 1405	6	S		X	X	X	X	X	Sample time = 1405
17		R18-3(4-7)-100616		1425	6	S		X	X	X	X	X	
18		R18-3(4-7)-100616D		1425	6	S		X	X	X	X	X	
19		VB-5(4-9)-100616		1450	6	S		X	X	X	X	X	
20		VB-5(9-15)-100616	10-6-16	1500	6	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10/6/16	1505
David Becker	TA	10-6-16	1610	Allen Scott	TA-CHI	10/6/16	1610
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

659 E Ogden Ave (ISGS SITE No. 2619V-16)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.786205973 (Decimal Degrees) Longitude: -88.136704754 (-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		Illinois Department of Transportation	
Street Address:	201 West Center Court		201 West Center Court	
PO Box:				
City:	Schaumburg	State: IL	Schaumburg	State: IL
Zip Code:	60196-1096	Phone: 847-705-4101	60196-1096	Phone: 847-705-4101
Contact:	Sam Mead		Sam Mead	
Email, if available:	Sam.Mead@illinois.gov		Sam.Mead@illinois.gov	

Project Name: FAP 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.786205973 Longitude: -88.136704754

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 TC-2, TC-3, TC-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 2619V-16. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-92468-1
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017
Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 2619V-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	TC-2(0-4)-021815	TC-3(0-4)-021815	TC-4(4-9)-100616	TC-4(9-15)-100616	**Soil Reference Concentrations[A]**
Sample Date	2/18/2015	2/18/2015	10/6/2016	10/6/2016	
Location ID	TC-2	TC-3	TC-4	TC-4	
Depth	0 - 4	0 - 4	4 - 90	9 - 15	
ISGS Site No.	2619V-16	2619V-16	2619V-16	2619V-16	
Parameter					
Laboratory pH (s.u.)	7.77	7.55	8.30	8.60	<6.25, >9.0
VOCs (ug/kg)					
SVOCs (ug/kg)					
Acenaphthene	40 J	ND	ND	ND	570000
Acenaphthylene	9.9 J	ND	ND	ND	---
Anthracene	200	ND	ND	ND	1.20E+07
Benzo(a)anthracene	1200	ND	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	1300	ND	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	1700	ND	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	990	ND	ND	ND	---
Benzo(k)fluoranthene	820	ND	ND	ND	9000
bis(2-Ethylhexyl)phthalate	96 J	ND	ND	ND	46000
Chrysene	1300	ND	ND	11 J	88000
Dibenzo(a,h)anthracene	230	ND	ND	ND	90 / 200 / 420
Di-N-Octyl phthalate	ND	160 J	ND	ND	1600000
Fluoranthene	2000	ND	ND	ND	3100000
Fluorene	52	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	870	ND	ND	ND	900 / 900 / 1600
Phenanthrene	1200	ND	ND	6.6 J	---
Pyrene	2300	ND	ND	ND	2300000
Total Metals (mg/kg)					
Arsenic, Total	7.7 J+	9.1 J+	10	5.2	11.3 / 13.0
Barium, Total	190	88	76	47	1500
Beryllium, Total	0.79	0.65	0.58	0.65	22
Cadmium, Total	0.4	0.13	0.22	0.12	5.2
Calcium, Total	13000 J	20000 J	13000 B	65000 B	---
Chromium, Total	22	15	14 B	16 B	21
Cobalt, Total	9.1 J-	8.8 J-	14	11	20
Copper, Total	26 J-	19 J-	26	21	2900
Iron, Total	19000 J	19000 J	20000 B	18000 B	15000 / 15900
Lead, Total	67 J	14 J	18	14	107
Magnesium, Total	8000 J	13000 J	11000	22000	325000
Manganese, Total	550 J	650 J	450	250	630
Mercury, Total	0.043	0.034	0.034	0.028	0.89
Nickel, Total	19 J-	21 J-	36	28	100
Potassium, Total	2500 J+	1700 J+	1000	2300	---
Sodium, Total	1700	360	280	130	---
Thallium, Total	0.87	1.5	0.39 J	ND	2.6
Vanadium, Total	30	26	19	16	550
Zinc, Total	81 J+	45 J+	75	52	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.32 J	0.73	0.69	0.32 J	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	0.04	1
Copper, TCLP	0.011 J	0.023 J	0.022 J	0.015 J	0.65
Iron, TCLP	ND	ND	ND	0.36 J	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.4	0.13	0.2	2.5	0.15
Nickel, TCLP	ND	ND	ND	0.021 J	0.1
Zinc, TCLP	0.064 J	0.037 J	ND	0.02 J	5

Summary Table of ISGS Site No. 2619V-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	TC-2(0-4)-021815	TC-3(0-4)-021815	TC-4(4-9)-100616	TC-4(9-15)-100616	**Soil Reference Concentrations[A]**
Sample Date	2/18/2015	2/18/2015	10/6/2016	10/6/2016	
Location ID	TC-2	TC-3	TC-4	TC-4	
Depth	0 - 4	0 - 4	4 - 90	9 - 15	
ISGS Site No.	2619V-16	2619V-16	2619V-16	2619V-16	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.032 J	ND	0.045 J	0.06	0.05
Barium, SPLP	0.56	0.16 J	0.35 J	0.49 J	2
Beryllium, SPLP	0.0046	ND	ND	0.0079	0.004
Cadmium, SPLP	ND	ND	ND	0.0022 J	0.005
Chromium, SPLP	0.14	0.023 J	0.067	0.16	0.1
Cobalt, SPLP	0.026	ND	0.025	0.039	1
Copper, SPLP	0.17	0.023 J	0.13	0.22	0.65
Iron, SPLP	110 J+	17 J+	94 J+	170 J+	5
Lead, SPLP	0.19	0.0096	0.018	0.06	0.0075
Manganese, SPLP	0.98	0.11	0.39	0.57	0.15
Mercury, SPLP	0.00023	ND	ND	ND	0.002
Nickel, SPLP	0.092	0.015 J	0.085	0.18	0.1
Zinc, SPLP	0.56 B	ND	0.26 J	0.41 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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: 500-92468-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
3/2/2015 2:57:20 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: TC-2(0-4)-021815
Date Collected: 02/18/15 14:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-3
Matrix: Solid
Percent Solids: 78.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6.4	2.8	ug/Kg	☼		02/23/15 23:39	1
Benzene	<6.4		6.4	0.87	ug/Kg	☼		02/23/15 23:39	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	☼		02/23/15 23:39	1
Bromoform	<6.4		6.4	1.5	ug/Kg	☼		02/23/15 23:39	1
Bromomethane	<6.4		6.4	1.9	ug/Kg	☼		02/23/15 23:39	1
Carbon disulfide	<6.4		6.4	0.95	ug/Kg	☼		02/23/15 23:39	1
Carbon tetrachloride	<6.4		6.4	1.2	ug/Kg	☼		02/23/15 23:39	1
Chlorobenzene	<6.4		6.4	0.65	ug/Kg	☼		02/23/15 23:39	1
Chloroethane	<6.4		6.4	1.7	ug/Kg	☼		02/23/15 23:39	1
Chloroform	<6.4		6.4	0.73	ug/Kg	☼		02/23/15 23:39	1
Chloromethane	<6.4		6.4	1.3	ug/Kg	☼		02/23/15 23:39	1
cis-1,2-Dichloroethene	<6.4		6.4	0.90	ug/Kg	☼		02/23/15 23:39	1
cis-1,3-Dichloropropene	<6.4		6.4	0.84	ug/Kg	☼		02/23/15 23:39	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg	☼		02/23/15 23:39	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg	☼		02/23/15 23:39	1
1,2-Dichloroethane	<6.4		6.4	0.94	ug/Kg	☼		02/23/15 23:39	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg	☼		02/23/15 23:39	1
1,2-Dichloropropane	<6.4		6.4	0.97	ug/Kg	☼		02/23/15 23:39	1
1,3-Dichloropropene, Total	<6.4		6.4	0.84	ug/Kg	☼		02/23/15 23:39	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg	☼		02/23/15 23:39	1
2-Hexanone	<6.4		6.4	1.8	ug/Kg	☼		02/23/15 23:39	1
Methylene Chloride	<6.4		6.4	1.7	ug/Kg	☼		02/23/15 23:39	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	☼		02/23/15 23:39	1
methyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg	☼		02/23/15 23:39	1
Methyl tert-butyl ether	<6.4		6.4	1.1	ug/Kg	☼		02/23/15 23:39	1
Styrene	<6.4		6.4	0.84	ug/Kg	☼		02/23/15 23:39	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg	☼		02/23/15 23:39	1
Tetrachloroethene	<6.4		6.4	0.97	ug/Kg	☼		02/23/15 23:39	1
Toluene	<6.4		6.4	0.89	ug/Kg	☼		02/23/15 23:39	1
trans-1,2-Dichloroethene	<6.4		6.4	0.88	ug/Kg	☼		02/23/15 23:39	1
trans-1,3-Dichloropropene	<6.4		6.4	1.1	ug/Kg	☼		02/23/15 23:39	1
1,1,1-Trichloroethane	<6.4		6.4	0.95	ug/Kg	☼		02/23/15 23:39	1
1,1,2-Trichloroethane	<6.4		6.4	0.87	ug/Kg	☼		02/23/15 23:39	1
Trichloroethene	<6.4		6.4	1.1	ug/Kg	☼		02/23/15 23:39	1
Vinyl chloride	<6.4		6.4	1.3	ug/Kg	☼		02/23/15 23:39	1
Xylenes, Total	<13		13	0.58	ug/Kg	☼		02/23/15 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*02/23/15 23:39*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*02/23/15 23:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*02/23/15 23:39*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/23/15 23:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: TC-2(0-4)-021815
Date Collected: 02/18/15 14:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-3
Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2-Methylnaphthalene	<41		41	7.7	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2-Methylphenol	<210		210	67	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Acenaphthene	**40**	**J**	41	7.5	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Acenaphthylene	**9.9**	**J**	41	5.5	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Anthracene	**200**		41	7.0	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Bis(2-ethylhexyl) phthalate	**96**	**J**	210	76	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Carbazole	<210		210	110	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Dibenzofuran	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Fluoranthene	**2000**		41	7.7	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Fluorene	**52**		41	5.9	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Isophorone	<210		210	47	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Naphthalene	<41		41	6.4	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1
Phenanthrene	**1200**		41	5.8	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: TC-2(0-4)-021815
Date Collected: 02/18/15 14:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-3
Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<210		210	93	ug/Kg	☼	02/23/15 07:18	02/24/15 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*35 - 137*	*02/23/15 07:18*	*02/24/15 16:50*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*02/23/15 07:18*	*02/24/15 16:50*	*1*
2-Fluorophenol	*41*		*25 - 110*	*02/23/15 07:18*	*02/24/15 16:50*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*02/23/15 07:18*	*02/24/15 16:50*	*1*
Phenol-d5	*47*		*31 - 110*	*02/23/15 07:18*	*02/24/15 16:50*	*1*
Terphenyl-d14	*88*		*36 - 134*	*02/23/15 07:18*	*02/24/15 16:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**1200**		210	28	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5
Benzo[a]pyrene	**1300**		210	40	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5
Benzo[b]fluoranthene	**1700**		210	45	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5
Benzo[g,h,i]perylene	**990**		210	67	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5
Benzo[k]fluoranthene	**820**		210	61	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5
Chrysene	**1300**		210	57	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5
Dibenz(a,h)anthracene	**230**		210	40	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5
Indeno[1,2,3-cd]pyrene	**870**		210	54	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5
Pyrene	**2300**		210	41	ug/Kg	☼	02/23/15 07:18	02/25/15 16:54	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 09:20	02/27/15 19:56	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		02/27/15 09:20	02/27/15 19:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 19:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 19:56	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:56	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:56	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:56	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 19:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 19:56	1
Manganese	**0.40**		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:56	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:56	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 19:56	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 19:56	1
Zinc	**0.064**	**J**	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.032**	**J**	0.050	0.010	mg/L		02/26/15 10:20	02/27/15 01:00	1
Barium	**0.56**		0.50	0.050	mg/L		02/26/15 10:20	02/27/15 01:00	1
Beryllium	**0.0046**		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 01:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 01:00	1
Chromium	**0.14**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:00	1
Cobalt	**0.026**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:00	1
Copper	**0.17**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:00	1
Iron	**110**		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 01:00	1
Lead	**0.19**		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 01:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: TC-2(0-4)-021815
Date Collected: 02/18/15 14:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.98		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:00	1
Nickel	0.092		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:00	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 01:00	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:00	1
Zinc	0.56	B	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 01:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.82	J B	1.2	0.25	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Arsenic	7.7		0.60	0.28	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Barium	190		0.60	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Beryllium	0.79		0.24	0.052	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Cadmium	0.40		0.12	0.035	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Calcium	13000		12	3.9	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Chromium	22		0.60	0.10	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Cobalt	9.1		0.30	0.068	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Copper	26		0.60	0.13	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Iron	19000		12	4.6	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Lead	67		0.30	0.15	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Magnesium	8000		6.0	2.4	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Manganese	550		0.60	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Nickel	19		0.60	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Potassium	2500		30	4.9	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Sodium	1700		60	7.9	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Thallium	0.87		0.60	0.30	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Vanadium	30		0.30	0.088	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1
Zinc	81	B	1.2	0.38	mg/Kg	☼	02/22/15 18:41	02/24/15 03:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 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	43		20	7.1	ug/Kg	☼	02/23/15 15:00	02/24/15 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.77		0.200	0.200	SU			02/23/15 13:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: TC-3(0-4)-021815
Date Collected: 02/18/15 14:40
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-4
Matrix: Solid
Percent Solids: 78.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6.4	2.8	ug/Kg	☼		02/24/15 00:03	1
Benzene	<6.4		6.4	0.87	ug/Kg	☼		02/24/15 00:03	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	☼		02/24/15 00:03	1
Bromoform	<6.4		6.4	1.5	ug/Kg	☼		02/24/15 00:03	1
Bromomethane	<6.4		6.4	1.9	ug/Kg	☼		02/24/15 00:03	1
Carbon disulfide	<6.4		6.4	0.95	ug/Kg	☼		02/24/15 00:03	1
Carbon tetrachloride	<6.4		6.4	1.2	ug/Kg	☼		02/24/15 00:03	1
Chlorobenzene	<6.4		6.4	0.65	ug/Kg	☼		02/24/15 00:03	1
Chloroethane	<6.4		6.4	1.7	ug/Kg	☼		02/24/15 00:03	1
Chloroform	<6.4		6.4	0.73	ug/Kg	☼		02/24/15 00:03	1
Chloromethane	<6.4		6.4	1.3	ug/Kg	☼		02/24/15 00:03	1
cis-1,2-Dichloroethene	<6.4		6.4	0.90	ug/Kg	☼		02/24/15 00:03	1
cis-1,3-Dichloropropene	<6.4		6.4	0.84	ug/Kg	☼		02/24/15 00:03	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg	☼		02/24/15 00:03	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg	☼		02/24/15 00:03	1
1,2-Dichloroethane	<6.4		6.4	0.95	ug/Kg	☼		02/24/15 00:03	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg	☼		02/24/15 00:03	1
1,2-Dichloropropane	<6.4		6.4	0.97	ug/Kg	☼		02/24/15 00:03	1
1,3-Dichloropropene, Total	<6.4		6.4	0.84	ug/Kg	☼		02/24/15 00:03	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg	☼		02/24/15 00:03	1
2-Hexanone	<6.4		6.4	1.8	ug/Kg	☼		02/24/15 00:03	1
Methylene Chloride	<6.4		6.4	1.7	ug/Kg	☼		02/24/15 00:03	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	☼		02/24/15 00:03	1
methyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg	☼		02/24/15 00:03	1
Methyl tert-butyl ether	<6.4		6.4	1.1	ug/Kg	☼		02/24/15 00:03	1
Styrene	<6.4		6.4	0.84	ug/Kg	☼		02/24/15 00:03	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg	☼		02/24/15 00:03	1
Tetrachloroethene	<6.4		6.4	0.98	ug/Kg	☼		02/24/15 00:03	1
Toluene	<6.4		6.4	0.89	ug/Kg	☼		02/24/15 00:03	1
trans-1,2-Dichloroethene	<6.4		6.4	0.88	ug/Kg	☼		02/24/15 00:03	1
trans-1,3-Dichloropropene	<6.4		6.4	1.1	ug/Kg	☼		02/24/15 00:03	1
1,1,1-Trichloroethane	<6.4		6.4	0.95	ug/Kg	☼		02/24/15 00:03	1
1,1,2-Trichloroethane	<6.4		6.4	0.87	ug/Kg	☼		02/24/15 00:03	1
Trichloroethene	<6.4		6.4	1.1	ug/Kg	☼		02/24/15 00:03	1
Vinyl chloride	<6.4		6.4	1.3	ug/Kg	☼		02/24/15 00:03	1
Xylenes, Total	<13		13	0.58	ug/Kg	☼		02/24/15 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*02/24/15 00:03*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*02/24/15 00:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*		*02/24/15 00:03*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/24/15 00:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: TC-3(0-4)-021815
Date Collected: 02/18/15 14:40
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-4
Matrix: Solid
Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2-Methylnaphthalene	<41		41	7.7	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2-Methylphenol	<210		210	67	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
2-Nitrophenol	<410		410	99	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
4,6-Dinitro-2-methylphenol	<410		410	340	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Anthracene	<41		41	7.0	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Benzo[a]anthracene	<41		41	5.6	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Benzo[a]pyrene	<41		41	8.1	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Benzo[b]fluoranthene	<41		41	9.0	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Carbazole	<210		210	110	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Chrysene	<41		41	11	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Dibenz(a,h)anthracene	<41		41	8.1	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Dibenzofuran	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Di-n-octyl phthalate	**160**	**J**	210	68	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Fluoranthene	<41		41	7.7	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Fluorene	<41		41	5.9	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: TC-3(0-4)-021815
Date Collected: 02/18/15 14:40
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-4
Matrix: Solid
Percent Solids: 78.3

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	<41		41	11	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Isophorone	<210		210	47	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Naphthalene	<41		41	6.4	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Phenanthrene	<41		41	5.8	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Phenol	<210		210	93	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1
Pyrene	<41		41	8.3	ug/Kg	☼	02/23/15 07:18	02/24/15 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*02/23/15 07:18*	*02/24/15 01:01*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*02/23/15 07:18*	*02/24/15 01:01*	*1*
2-Fluorophenol	*56*		*25 - 110*	*02/23/15 07:18*	*02/24/15 01:01*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*02/23/15 07:18*	*02/24/15 01:01*	*1*
Phenol-d5	*61*		*31 - 110*	*02/23/15 07:18*	*02/24/15 01:01*	*1*
Terphenyl-d14	*70*		*36 - 134*	*02/23/15 07:18*	*02/24/15 01:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 09:20	02/27/15 20:02	1
Barium	**0.73**		0.50	0.050	mg/L		02/27/15 09:20	02/27/15 20:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 20:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 20:02	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:02	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:02	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:02	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 20:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 20:02	1
Manganese	**0.13**		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:02	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:02	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 20:02	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:02	1
Zinc	**0.037**	**J**	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 10:20	02/27/15 01:06	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		02/26/15 10:20	02/27/15 01:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 01:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 01:06	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:06	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:06	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:06	1
Iron	**17**		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 01:06	1
Lead	**0.0096**		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 01:06	1
Manganese	**0.11**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:06	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:06	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 01:06	1

Client Sample ID: TC-3(0-4)-021815
Date Collected: 02/18/15 14:40
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:06	1
Zinc	0.081	J B	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 01:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.66	J B	1.3	0.26	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Arsenic	9.1		0.63	0.29	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Barium	88		0.63	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Beryllium	0.65		0.25	0.054	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Cadmium	0.13		0.13	0.036	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Calcium	20000		13	4.0	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Chromium	15		0.63	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Cobalt	8.8		0.31	0.071	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Copper	19		0.63	0.14	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Iron	19000		13	4.8	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Lead	14		0.31	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Magnesium	13000		6.3	2.5	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Manganese	650		0.63	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Nickel	21		0.63	0.17	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Potassium	1700		31	5.1	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Selenium	<0.63		0.63	0.31	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Sodium	360		63	8.3	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Thallium	1.5		0.63	0.31	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Vanadium	26		0.31	0.092	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1
Zinc	45	B	1.3	0.40	mg/Kg	☼	02/22/15 18:41	02/24/15 03:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 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	34		18	6.4	ug/Kg	☼	02/23/15 15:00	02/24/15 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.55		0.200	0.200	SU			02/23/15 13:56	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
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.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-92468 COC

Chain of Custody Record

Lab Job #: 500-92468

Chain of Custody Number:

Page 3 of 6

Temperature °C of Cooler: (3.2)(2.8)(3.4)

(optional) Report To	(optional) Bill To
Contact: S. Babasunkumar	Contact:
Company: Weston Solutions	Company:
Address: 300 Plaza Circle #202	Address:
Address: Mundelein, IL 60060	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Babu.Babasunkumar@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions	002
Project Name	
IDOT-US Route 34-002	
Project Location/State	Lab Project #
Naperville, IL	50010634
Sampler	Lab PM
D. Sena	R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Metals	TCL/Spec Metals	pH	Comments
							7	VOCs	SVOCs	Metals	TCL/Spec Metals	pH	
1		SA-4(0-4)-021815	2-18-15	13:30	2	SO		X	X	X	X	X	
2		TC-1(0-4)-021815		14:10									
3		TC-2(0-4)-021815		14:30									
4		TC-3(0-4)-021815		14:40									
5		CC-1(0-4)-021815		14:50									
6		CC-2(0-5)-021815		15:15									
7		CC-2(5-10)-021815		15:20									
8		CC-2(10-15)-021815		15:25									
9		CC-3(0-4)-021815		15:50									
10		CC-4(0-4)-021815	2-18-15	16:00	2	SO		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	2-19-15	13:50		TA	2/19/15	1358
	TA	2/19/15	1500		TA-CHI	2/19/15	1500

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-580-(1209)

3/2/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-118244-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/17/2016 4:06:53 PM

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

Client Sample ID: TC-4(4-9)-100616
Date Collected: 10/06/16 11:55
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-10
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	3.2	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Benzene	<4.1		4.1	0.92	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Bromodichloromethane	<4.1		4.1	0.70	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Bromoform	<4.1		4.1	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Carbon disulfide	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Carbon tetrachloride	<4.1		4.1	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Chlorobenzene	<4.1		4.1	0.97	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Chloroethane	<4.1		4.1	1.7	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Chloroform	<4.1		4.1	0.80	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Chloromethane	<4.1		4.1	0.99	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
cis-1,2-Dichloroethene	<4.1		4.1	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
cis-1,3-Dichloropropene	<4.1		4.1	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Dibromochloromethane	<4.1		4.1	0.47	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
1,1-Dichloroethane	<4.1		4.1	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
1,2-Dichloroethane	<4.1		4.1	0.61	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
1,1-Dichloroethene	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
1,2-Dichloropropane	<4.1		4.1	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
1,3-Dichloropropene, Total	<4.1		4.1	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Ethylbenzene	<4.1		4.1	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Methylene Chloride	<4.1		4.1	3.1	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Methyl Ethyl Ketone	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
methyl isobutyl ketone	<4.1		4.1	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Methyl tert-butyl ether	<4.1		4.1	0.97	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Styrene	<4.1		4.1	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
1,1,2,2-Tetrachloroethane	<4.1		4.1	0.65	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Tetrachloroethene	<4.1		4.1	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Toluene	<4.1		4.1	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
trans-1,2-Dichloroethene	<4.1		4.1	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
trans-1,3-Dichloropropene	<4.1		4.1	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
1,1,1-Trichloroethane	<4.1		4.1	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
1,1,2-Trichloroethane	<4.1		4.1	0.80	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Trichloroethene	<4.1		4.1	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Vinyl chloride	<4.1		4.1	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1
Xylenes, Total	<8.2		8.2	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 120*	*10/06/16 17:20*	*10/12/16 19:55*	*1*
Dibromofluoromethane	*113*		*75 - 120*	*10/06/16 17:20*	*10/12/16 19:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*69 - 134*	*10/06/16 17:20*	*10/12/16 19:55*	*1*
Toluene-d8 (Surr)	*98*		*75 - 123*	*10/06/16 17:20*	*10/12/16 19:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Client Sample ID: TC-4(4-9)-100616
Date Collected: 10/06/16 11:55
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-10
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	86	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Anthracene	<38		38	6.3	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Carbazole	<190		190	94	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Chrysene	<38		38	10	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Fluorene	<38		38	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1

Client Sample ID: TC-4(4-9)-100616
Date Collected: 10/06/16 11:55
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-10
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	<38		38	9.8	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Isophorone	<190		190	42	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Naphthalene	<38		38	5.8	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Phenol	<190		190	84	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1
Pyrene	<38		38	7.5	ug/Kg	☼	10/07/16 07:24	10/08/16 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*25 - 130*	*10/07/16 07:24*	*10/08/16 00:15*	*1*
2-Fluorobiphenyl	*92*		*42 - 115*	*10/07/16 07:24*	*10/08/16 00:15*	*1*
2-Fluorophenol	*98*		*40 - 130*	*10/07/16 07:24*	*10/08/16 00:15*	*1*
Nitrobenzene-d5	*105*		*33 - 124*	*10/07/16 07:24*	*10/08/16 00:15*	*1*
Phenol-d5	*70*		*36 - 123*	*10/07/16 07:24*	*10/08/16 00:15*	*1*
Terphenyl-d14	*146*		*25 - 150*	*10/07/16 07:24*	*10/08/16 00:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 04:07	1
Barium	**0.69**		0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:07	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:07	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:07	1
Copper	**0.022**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:07	1
Iron	<0.40		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:07	1
Manganese	**0.20**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:07	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:07	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:07	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:07	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.045**	**J**	0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:26	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:26	1
Chromium	**0.067**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:26	1
Cobalt	**0.025**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:26	1
Copper	**0.13**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:26	1
Iron	**94**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:26	1
Lead	**0.018**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:26	1
Manganese	**0.39**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:26	1
Nickel	**0.085**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:26	1

Client Sample ID: TC-4(4-9)-100616
Date Collected: 10/06/16 11:55
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-10
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:26	1
Zinc	**0.26**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 04:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Arsenic	**10**		0.51	0.24	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Barium	**76**		0.51	0.093	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Beryllium	**0.58**		0.20	0.044	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Cadmium	**0.22**		0.10	0.030	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Calcium	**13000**	**B**	10	3.3	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Chromium	**14**	**B**	0.51	0.088	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Cobalt	**14**		0.25	0.058	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Copper	**26**		0.51	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Iron	**20000**	**B**	10	3.9	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Lead	**18**		0.25	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Magnesium	**11000**		5.1	2.1	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Manganese	**450**		0.51	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Nickel	**36**		0.51	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Potassium	**1000**		25	4.2	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Silver	<0.25		0.25	0.060	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Sodium	**280**		51	6.7	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Thallium	**0.39**	**J**	0.51	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Vanadium	**19**		0.25	0.074	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1
Zinc	**75**		1.0	0.32	mg/Kg	☼	10/13/16 08:27	10/14/16 01:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**34**		18	9.3	ug/Kg	☼	10/11/16 15:45	10/12/16 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			10/11/16 03:39	1

Client Sample ID: TC-4(9-15)-100616
Date Collected: 10/06/16 12:05
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-11
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	3.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Benzene	<4.0		4.0	0.90	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Bromodichloromethane	<4.0		4.0	0.68	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Bromoform	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Carbon disulfide	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Carbon tetrachloride	<4.0		4.0	0.87	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Chlorobenzene	<4.0		4.0	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Chloroethane	<4.0		4.0	1.7	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Chloroform	<4.0		4.0	0.79	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Chloromethane	<4.0		4.0	0.97	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
cis-1,2-Dichloroethene	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
cis-1,3-Dichloropropene	<4.0		4.0	0.92	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Dibromochloromethane	<4.0		4.0	0.47	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
1,1-Dichloroethane	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
1,2-Dichloroethane	<4.0		4.0	0.60	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
1,1-Dichloroethene	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
1,2-Dichloropropane	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
1,3-Dichloropropene, Total	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Ethylbenzene	<4.0		4.0	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Methylene Chloride	<4.0		4.0	3.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Methyl Ethyl Ketone	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
methyl isobutyl ketone	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Methyl tert-butyl ether	<4.0		4.0	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Styrene	<4.0		4.0	0.95	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
1,1,2,2-Tetrachloroethane	<4.0		4.0	0.64	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Tetrachloroethene	<4.0		4.0	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Toluene	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
trans-1,2-Dichloroethene	<4.0		4.0	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
trans-1,3-Dichloropropene	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
1,1,1-Trichloroethane	<4.0		4.0	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
1,1,2-Trichloroethane	<4.0		4.0	0.78	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Trichloroethene	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Vinyl chloride	<4.0		4.0	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1
Xylenes, Total	<8.1		8.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*10/06/16 17:20*	*10/12/16 20:19*	*1*
Dibromofluoromethane	*110*		*75 - 120*	*10/06/16 17:20*	*10/12/16 20:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*69 - 134*	*10/06/16 17:20*	*10/12/16 20:19*	*1*
Toluene-d8 (Surr)	*103*		*75 - 123*	*10/06/16 17:20*	*10/12/16 20:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1

Client Sample ID: TC-4(9-15)-100616
Date Collected: 10/06/16 12:05
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-11
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	87	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Carbazole	<190		190	96	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Chrysene	**11**	**J**	38	10	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1

Client Sample ID: TC-4(9-15)-100616
Date Collected: 10/06/16 12:05
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-11
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	9.9	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Isophorone	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Phenanthrene	**6.6**	**J**	38	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Phenol	<190		190	85	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1
Pyrene	<38		38	7.6	ug/Kg	☼	10/07/16 07:24	10/08/16 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*25 - 130*	*10/07/16 07:24*	*10/08/16 00:40*	*1*
2-Fluorobiphenyl	*97*		*42 - 115*	*10/07/16 07:24*	*10/08/16 00:40*	*1*
2-Fluorophenol	*99*		*40 - 130*	*10/07/16 07:24*	*10/08/16 00:40*	*1*
Nitrobenzene-d5	*94*		*33 - 124*	*10/07/16 07:24*	*10/08/16 00:40*	*1*
Phenol-d5	*72*		*36 - 123*	*10/07/16 07:24*	*10/08/16 00:40*	*1*
Terphenyl-d14	*155*	*X*	*25 - 150*	*10/07/16 07:24*	*10/08/16 00:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 04:12	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:12	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:12	1
Cobalt	**0.040**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:12	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:12	1
Iron	**0.36**	**J**	0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:12	1
Manganese	**2.5**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:12	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:12	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:12	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:12	1
Zinc	**0.020**	**J**	0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.060**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:30	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:30	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:30	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:30	1
Chromium	**0.16**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:30	1
Cobalt	**0.039**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:30	1
Copper	**0.22**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:30	1
Iron	**170**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:30	1
Lead	**0.060**		0.0075	0.0075	mg/L		10/14/16 14:15	10/17/16 14:39	1
Manganese	**0.57**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:30	1
Nickel	**0.18**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:30	1

Client Sample ID: TC-4(9-15)-100616
Date Collected: 10/06/16 12:05
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-11
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:30	1
Zinc	**0.41**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 04:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Arsenic	**5.2**		0.58	0.27	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Barium	**47**		0.58	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Beryllium	**0.65**		0.23	0.051	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Cadmium	**0.12**		0.12	0.034	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Calcium	**65000**	**B**	120	38	mg/Kg	☼	10/13/16 08:27	10/14/16 20:20	10
Chromium	**16**	**B**	0.58	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Cobalt	**11**		0.29	0.066	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Copper	**21**		0.58	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Iron	**18000**	**B**	12	4.5	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Lead	**14**		0.29	0.15	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Magnesium	**22000**		5.8	2.4	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Manganese	**250**		0.58	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Nickel	**28**		0.58	0.16	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Potassium	**2300**		29	4.8	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Sodium	**130**		58	7.7	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Vanadium	**16**		0.29	0.085	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1
Zinc	**52**		1.2	0.37	mg/Kg	☼	10/13/16 08:27	10/14/16 01:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		18	9.5	ug/Kg	☼	10/11/16 15:45	10/12/16 11:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.6**		0.2	0.2	SU			10/11/16 04:09	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL

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

500-118244 COC

Chain of Custody Record

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramar	Contact:	
Company:	Weston Solutions, Inc	Company:	
Address:	300 Plaza Circle, Ste 202	Address:	Same
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:		PO#/Reference#	

Lab Job #: 500-118244
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8, 3.3

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	I Pb					Comments
1		DR-6(4-9)-100616	10-6-16	0855	6	S	X	X	X	X	X					
2		DR-6(9-15)-100616		0910	6	S	X	X	X	X	X					
3		DR-6(9-15)-100616 D		0910	6	S	X	X	X	X	X					
4		DR-8 (4-9)-100616		0950	6	S	X	X	X	X	X					
5		DR-8(9-15)-100616		1000	6	S	X	X	X	X	X					
6		DR-7(4-9)-100616		1025	6	S	X	X	X	X	X					
7		DR-7(9-15)-100616		1035	6	S	X	X	X	X	X					
8		CC-3(4-10)-100616		1100	6	S	X	X	X	X	X					
9		CC-1-(4-10)-100616		1125	6	S	X	X	X	X	X					
10		TC-4(4-9)-100616	10-6-16	1155	6	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
T. Walls	Weston	10-6-16	1505	David Becker	TA	10-6-16	1505
David Becker	TA	10/6/16	1610	Shawn Scott	TA-CHI	10/6/16	1610

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. Babuswkumar
Company: Weston Solution, Inc
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		TC-4(9-15)-100616	10-6-16	1205	6	S		X	X	X	X	X	
12		OP-1(0-4)-100616		1300	6	S		X	X	X	X	X	
13		OP-1(4-9)-100616		1310	6	S		X	X	X	X	X	
14		CB-1(0-5)-100616		1315	6	S		X	X	X	X	X	
15		CB-1(5-10)-100616		1320	6	S		X	X	X	X	X	
16		SA-5(4-8)-100616		~~1355~~ 1405	6	S		X	X	X	X	X	Sample time = 1405
17		R18-3(4-7)-100616		1425	6	S		X	X	X	X	X	
18		R18-3(4-7)-100616D		1425	6	S		X	X	X	X	X	
19		VB-5(4-9)-100616		1450	6	S		X	X	X	X	X	
20		VB-5(9-15)-100616	10-6-16	1500	6	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10/6/16	1505
David Becker	TA	10-6-16	1610	Allen Scott	TA-CHI	10/6/16	1610
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

686 East Ogden Avenue (ISGS SITE No. 2619V-17)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.785756079 (Decimal Degrees) Longitude: -88.136859070 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.785756079 Longitude: -88.136859070

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 CC-1 and CC-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2619V-17 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: 500-92468-1 AND
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-118244-1.
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Michael A Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017
Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 2619V-17
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	CC-1(0-4)-021815	CC-1(4-10)-100616	CC-2(0-5)-021815	CC-2(5-10)-021815	CC-2(10-15)-021815	**Soil Reference Concentrations[A]**
Sample Date	2/18/2015	10/6/2016	2/18/2015	2/18/2015	2/18/2015	
Location ID	CC-1	CC-1	CC-2	CC-2	CC-2	
Depth	0 - 4	4 - 10	0 - 5	5 - 10	10 - 15	
ISGS Site No.	2619V-17	2619V-17	2619V-17	2619V-17	2619V-17	
Parameter						
Laboratory pH (s.u.)	8.13	8.90	7.81	7.67	7.64	<6.25, >9.0
VOCs (ug/kg)						
4-Methyl-2-pentanone	ND	ND	ND	4.5 J	ND	---
SVOCs (ug/kg)						
Anthracene	41	ND	11 J	ND	ND	1.20E+07
Benzo(a)anthracene	230	ND	91	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	240	ND	110	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	370	ND	180	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	180	ND	91	ND	ND	---
Benzo(k)fluoranthene	150	ND	67	ND	ND	9000
Chrysene	260	ND	110	ND	ND	88000
Dibenzo(a,h)anthracene	49	ND	ND	ND	ND	90 / 200 / 420
Di-N-Octyl phthalate	200	ND	ND	540	560	1600000
Fluoranthene	520	ND	160	ND	ND	3100000
Fluorene	8.1 J	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	150	ND	74	ND	ND	900 / 900 / 1600
Phenanthrene	180	ND	56	ND	ND	---
Pyrene	410	9 J	230	ND	ND	2300000
Total Metals (mg/kg)						
Arsenic, Total	9 J+	9.4	6.7 J+	8 J+	13 J+	11.3 / 13.0
Barium, Total	83	47	99	110	64	1500
Beryllium, Total	0.66	0.49	0.54	0.71	0.64	22
Cadmium, Total	0.26	0.2	0.25	0.28	0.24	5.2
Calcium, Total	38000 J	82000 B	70000 J	26000 J	50000 J	---
Chromium, Total	16	11 B	13	18	17	21
Cobalt, Total	8.9 J-	12	9.1 J-	8.9 J-	12 J-	20
Copper, Total	21 J-	23	15 J-	27 J-	30 J-	2900
Iron, Total	19000 J	17000 B	14000 J	24000 J	26000 J	15000 / 15900
Lead, Total	44 J	14	22 J	14 J	14 J	107
Magnesium, Total	23000 J	32000	36000 J	19000 J	33000 J	325000
Manganese, Total	540 J	330	750 J	640 J	580 J	630
Mercury, Total	0.038	0.03	0.037	0.042	0.029	0.89
Nickel, Total	18 J-	27	12 J-	30 J-	30 J-	100
Potassium, Total	2200 J+	1400	1700 J+	2100 J+	2800 J+	---
Sodium, Total	690	540	140	250	380	---
Thallium, Total	1.1	0.46	1.2	1.3	1.7	2.6
Vanadium, Total	26	14	23	25	21	550
Zinc, Total	59 J+	55	45 J+	50 J+	49 J+	5100

Summary Table of ISGS Site No. 2619V-17
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	CC-1(0-4)-021815	CC-1(4-10)-100616	CC-2(0-5)-021815	CC-2(5-10)-021815	CC-2(10-15)-021815	**Soil Reference Concentrations[A]**
Sample Date	2/18/2015	10/6/2016	2/18/2015	2/18/2015	2/18/2015	
Location ID	CC-1	CC-1	CC-2	CC-2	CC-2	
Depth	0 - 4	4 - 10	0 - 5	5 - 10	10 - 15	
ISGS Site No.	2619V-17	2619V-17	2619V-17	2619V-17	2619V-17	
Parameter						
TCLP Metals (mg/l)						
Barium, TCLP	0.46 J	0.54	0.48 J	0.92	0.42 J	2
Copper, TCLP	0.026	0.015 J	ND	0.023 J	ND	0.65
Iron, TCLP	ND	0.26 J	ND	ND	ND	5
Manganese, TCLP	0.15	0.66	0.079	0.06	0.14	0.15
Zinc, TCLP	0.038 J	ND	0.032 J	0.037 J	0.021 J	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.046 J	0.12	0.016 J	0.029 J	0.032 J	0.05
Barium, SPLP	0.37 J	0.6	0.21 J	0.33 J	0.2 J	2
Beryllium, SPLP	ND	0.0073	ND	ND	ND	0.004
Cadmium, SPLP	ND	0.0026 J	ND	ND	ND	0.005
Chromium, SPLP	0.087	0.15	0.04	0.056	0.047	0.1
Cobalt, SPLP	0.026	0.064	ND	0.019 J	0.013 J	1
Copper, SPLP	0.15	0.29	0.039	0.12	0.077	0.65
Iron, SPLP	99 J+	220 J+	35 J+	79 J+	65 J+	5
Lead, SPLP	0.084	0.082	0.029	0.032	0.028	0.0075
Manganese, SPLP	0.66	0.75	0.29	0.58	0.23	0.15
Nickel, SPLP	0.092	0.23	0.03	0.067	0.05	0.1
Zinc, SPLP	0.34 B	0.53	ND	ND	ND	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

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: 500-92468-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
3/2/2015 2:57:20 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-1(0-4)-021815
Date Collected: 02/18/15 14:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-5
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		02/24/15 00:27	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		02/24/15 00:27	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/24/15 00:27	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		02/24/15 00:27	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		02/24/15 00:27	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		02/24/15 00:27	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		02/24/15 00:27	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		02/24/15 00:27	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		02/24/15 00:27	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		02/24/15 00:27	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		02/24/15 00:27	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		02/24/15 00:27	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		02/24/15 00:27	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/24/15 00:27	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		02/24/15 00:27	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		02/24/15 00:27	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		02/24/15 00:27	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		02/24/15 00:27	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		02/24/15 00:27	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		02/24/15 00:27	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		02/24/15 00:27	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		02/24/15 00:27	1
Methyl Ethyl Ketone	<5.9		5.9	2.2	ug/Kg	☼		02/24/15 00:27	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		02/24/15 00:27	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		02/24/15 00:27	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		02/24/15 00:27	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		02/24/15 00:27	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		02/24/15 00:27	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		02/24/15 00:27	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		02/24/15 00:27	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		02/24/15 00:27	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		02/24/15 00:27	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		02/24/15 00:27	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		02/24/15 00:27	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		02/24/15 00:27	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/24/15 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*02/24/15 00:27*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*02/24/15 00:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*02/24/15 00:27*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*02/24/15 00:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-1(0-4)-021815
Date Collected: 02/18/15 14:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-5
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	<390		390	90	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Anthracene	**41**		39	6.6	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Benzo[a]anthracene	**230**		39	5.3	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Benzo[a]pyrene	**240**		39	7.6	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Benzo[b]fluoranthene	**370**		39	8.5	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Benzo[g,h,i]perylene	**180**		39	13	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Benzo[k]fluoranthene	**150**		39	12	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Chrysene	**260**		39	11	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Dibenz(a,h)anthracene	**49**		39	7.6	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Di-n-octyl phthalate	**200**		200	64	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Fluoranthene	**520**		39	7.3	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Fluorene	**8.1**	**J**	39	5.5	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-1(0-4)-021815
Date Collected: 02/18/15 14:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-5
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	150		39	10	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Isophorone	<200		200	44	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Phenanthrene	180		39	5.5	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Phenol	<200		200	87	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1
Pyrene	410		39	7.8	ug/Kg	☼	02/23/15 07:18	02/24/15 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 137*	*02/23/15 07:18*	*02/24/15 14:25*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*02/23/15 07:18*	*02/24/15 14:25*	*1*
2-Fluorophenol	*61*		*25 - 110*	*02/23/15 07:18*	*02/24/15 14:25*	*1*
Nitrobenzene-d5	*57*		*25 - 115*	*02/23/15 07:18*	*02/24/15 14:25*	*1*
Phenol-d5	*64*		*31 - 110*	*02/23/15 07:18*	*02/24/15 14:25*	*1*
Terphenyl-d14	*82*		*36 - 134*	*02/23/15 07:18*	*02/24/15 14:25*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 09:20	02/27/15 20:09	1
Barium	0.46	J	0.50	0.050	mg/L		02/27/15 09:20	02/27/15 20:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 20:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 20:09	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:09	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:09	1
Copper	0.026		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:09	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 20:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 20:09	1
Manganese	0.15		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:09	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:09	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 20:09	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:09	1
Zinc	0.038	J	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		02/26/15 10:20	02/27/15 01:13	1
Barium	0.37	J	0.50	0.050	mg/L		02/26/15 10:20	02/27/15 01:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 01:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 01:13	1
Chromium	0.087		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:13	1
Cobalt	0.026		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:13	1
Copper	0.15		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:13	1
Iron	99		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 01:13	1
Lead	0.084		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 01:13	1
Manganese	0.66		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:13	1
Nickel	0.092		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:13	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 01:13	1

Client Sample ID: CC-1(0-4)-021815
Date Collected: 02/18/15 14:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:13	1
Zinc	**0.34**	**B**	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 01:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.73**	**J B**	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Arsenic	**9.0**		0.58	0.27	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Barium	**83**		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Beryllium	**0.66**		0.23	0.050	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Cadmium	**0.26**		0.12	0.033	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Calcium	**38000**		12	3.7	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Chromium	**16**		0.58	0.099	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Cobalt	**8.9**		0.29	0.065	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Copper	**21**		0.58	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Iron	**19000**		12	4.4	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Lead	**44**		0.29	0.14	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Magnesium	**23000**		5.8	2.3	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Manganese	**540**		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Nickel	**18**		0.58	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Potassium	**2200**		29	4.7	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Selenium	<0.58		0.58	0.28	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Sodium	**690**		58	7.6	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Thallium	**1.1**		0.58	0.28	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Vanadium	**26**		0.29	0.084	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1
Zinc	**59**	**B**	1.2	0.36	mg/Kg	☼	02/22/15 18:41	02/24/15 03:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**38**		17	5.9	ug/Kg	☼	02/23/15 15:00	02/24/15 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.13**		0.200	0.200	SU			02/23/15 14:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(0-5)-021815
Date Collected: 02/18/15 15:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-6
Matrix: Solid
Percent Solids: 86.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		02/24/15 00:52	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		02/24/15 00:52	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		02/24/15 00:52	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		02/24/15 00:52	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		02/24/15 00:52	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		02/24/15 00:52	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		02/24/15 00:52	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		02/24/15 00:52	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		02/24/15 00:52	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		02/24/15 00:52	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		02/24/15 00:52	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		02/24/15 00:52	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		02/24/15 00:52	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		02/24/15 00:52	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		02/24/15 00:52	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		02/24/15 00:52	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		02/24/15 00:52	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		02/24/15 00:52	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		02/24/15 00:52	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		02/24/15 00:52	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		02/24/15 00:52	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		02/24/15 00:52	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		02/24/15 00:52	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		02/24/15 00:52	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		02/24/15 00:52	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		02/24/15 00:52	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		02/24/15 00:52	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		02/24/15 00:52	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		02/24/15 00:52	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		02/24/15 00:52	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		02/24/15 00:52	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		02/24/15 00:52	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		02/24/15 00:52	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		02/24/15 00:52	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		02/24/15 00:52	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		02/24/15 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*02/24/15 00:52*	*1*
Dibromofluoromethane	*84*		*75 - 120*		*02/24/15 00:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 134*		*02/24/15 00:52*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/24/15 00:52*	*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	☼	02/23/15 07:18	02/24/15 17:08	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(0-5)-021815
Date Collected: 02/18/15 15:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-6
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2-Methylphenol	<180		180	59	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Acenaphthylene	<37		37	4.8	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Anthracene	**11**	**J**	37	6.1	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Benzo[a]anthracene	**91**		37	4.9	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Benzo[a]pyrene	**110**		37	7.1	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Benzo[b]fluoranthene	**180**		37	7.9	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Benzo[g,h,i]perylene	**91**		37	12	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Benzo[k]fluoranthene	**67**		37	11	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Bis(2-chloroethoxy)methane	<180		180	38	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Carbazole	<180		180	95	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Chrysene	**110**		37	10	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Dibenzofuran	<180		180	43	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Fluoranthene	**160**		37	6.8	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Fluorene	<37		37	5.2	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Hexachloroethane	<180		180	56	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(0-5)-021815
Date Collected: 02/18/15 15:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-6
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**74**		37	9.5	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Isophorone	<180		180	41	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Naphthalene	<37		37	5.7	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Phenanthrene	**56**		37	5.1	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Phenol	<180		180	82	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1
Pyrene	**230**		37	7.3	ug/Kg	☼	02/23/15 07:18	02/24/15 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*02/23/15 07:18*	*02/24/15 17:08*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*02/23/15 07:18*	*02/24/15 17:08*	*1*
2-Fluorophenol	*47*		*25 - 110*	*02/23/15 07:18*	*02/24/15 17:08*	*1*
Nitrobenzene-d5	*42*		*25 - 115*	*02/23/15 07:18*	*02/24/15 17:08*	*1*
Phenol-d5	*45*		*31 - 110*	*02/23/15 07:18*	*02/24/15 17:08*	*1*
Terphenyl-d14	*115*		*36 - 134*	*02/23/15 07:18*	*02/24/15 17:08*	*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		02/27/15 09:20	02/27/15 20:15	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		02/27/15 09:20	02/27/15 20:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 20:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 20:15	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:15	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:15	1
Copper	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:15	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 20:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 20:15	1
Manganese	**0.079**		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:15	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:15	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 20:15	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:15	1
Zinc	**0.032**	**J**	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 20:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**	**J**	0.050	0.010	mg/L		02/26/15 10:20	02/27/15 01:34	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		02/26/15 10:20	02/27/15 01:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 01:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 01:34	1
Chromium	**0.040**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:34	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:34	1
Copper	**0.039**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:34	1
Iron	**35**		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 01:34	1
Lead	**0.029**		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 01:34	1
Manganese	**0.29**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:34	1
Nickel	**0.030**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:34	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 01:34	1

Client Sample ID: CC-2(0-5)-021815
Date Collected: 02/18/15 15:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:34	1
Zinc	0.14	B	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 01:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J B	1.1	0.23	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Arsenic	6.7		0.55	0.26	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Barium	99		0.55	0.10	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Beryllium	0.54		0.22	0.048	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Cadmium	0.25		0.11	0.032	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Calcium	70000		110	36	mg/Kg	☼	02/22/15 18:41	02/24/15 14:31	10
Chromium	13		0.55	0.095	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Cobalt	9.1		0.28	0.062	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Copper	15		0.55	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Iron	14000		11	4.3	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Lead	22		0.28	0.14	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Magnesium	36000		5.5	2.2	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Manganese	750		0.55	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Nickel	12		0.55	0.15	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Potassium	1700		28	4.5	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Sodium	140		55	7.3	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Thallium	1.2		0.55	0.27	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Vanadium	23		0.28	0.081	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1
Zinc	45	B	1.1	0.35	mg/Kg	☼	02/22/15 18:41	02/24/15 03:44	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	37		19	6.7	ug/Kg	☼	02/23/15 15:00	02/24/15 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.81		0.200	0.200	SU			02/23/15 14:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(5-10)-021815
Date Collected: 02/18/15 15:20
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-7
Matrix: Solid
Percent Solids: 79.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		02/24/15 01:16	1
Benzene	<6.3		6.3	0.87	ug/Kg	☼		02/24/15 01:16	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		02/24/15 01:16	1
Bromoform	<6.3		6.3	1.5	ug/Kg	☼		02/24/15 01:16	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		02/24/15 01:16	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		02/24/15 01:16	1
Carbon tetrachloride	<6.3		6.3	1.2	ug/Kg	☼		02/24/15 01:16	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		02/24/15 01:16	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		02/24/15 01:16	1
Chloroform	<6.3		6.3	0.73	ug/Kg	☼		02/24/15 01:16	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		02/24/15 01:16	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		02/24/15 01:16	1
cis-1,3-Dichloropropene	<6.3		6.3	0.83	ug/Kg	☼		02/24/15 01:16	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		02/24/15 01:16	1
1,1-Dichloroethane	<6.3		6.3	1.0	ug/Kg	☼		02/24/15 01:16	1
1,2-Dichloroethane	<6.3		6.3	0.94	ug/Kg	☼		02/24/15 01:16	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		02/24/15 01:16	1
1,2-Dichloropropane	<6.3		6.3	0.96	ug/Kg	☼		02/24/15 01:16	1
1,3-Dichloropropene, Total	<6.3		6.3	0.83	ug/Kg	☼		02/24/15 01:16	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		02/24/15 01:16	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		02/24/15 01:16	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		02/24/15 01:16	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		02/24/15 01:16	1
methyl isobutyl ketone	**4.5**	**J**	6.3	1.7	ug/Kg	☼		02/24/15 01:16	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		02/24/15 01:16	1
Styrene	<6.3		6.3	0.83	ug/Kg	☼		02/24/15 01:16	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		02/24/15 01:16	1
Tetrachloroethene	<6.3		6.3	0.97	ug/Kg	☼		02/24/15 01:16	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		02/24/15 01:16	1
trans-1,2-Dichloroethene	<6.3		6.3	0.87	ug/Kg	☼		02/24/15 01:16	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		02/24/15 01:16	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		02/24/15 01:16	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		02/24/15 01:16	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		02/24/15 01:16	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		02/24/15 01:16	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		02/24/15 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*02/24/15 01:16*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*02/24/15 01:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*02/24/15 01:16*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*02/24/15 01:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(5-10)-021815
Date Collected: 02/18/15 15:20
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-7
Matrix: Solid
Percent Solids: 79.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Chrysene	<40		40	11	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Di-n-octyl phthalate	**540**		200	66	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(5-10)-021815
Date Collected: 02/18/15 15:20
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-7
Matrix: Solid
Percent Solids: 79.1

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	<40		40	10	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Isophorone	<200		200	45	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Phenol	<200		200	90	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1
Pyrene	<40		40	8.0	ug/Kg	☼	02/23/15 07:18	02/24/15 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 137*	*02/23/15 07:18*	*02/24/15 01:21*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*02/23/15 07:18*	*02/24/15 01:21*	*1*
2-Fluorophenol	*45*		*25 - 110*	*02/23/15 07:18*	*02/24/15 01:21*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*02/23/15 07:18*	*02/24/15 01:21*	*1*
Phenol-d5	*50*		*31 - 110*	*02/23/15 07:18*	*02/24/15 01:21*	*1*
Terphenyl-d14	*81*		*36 - 134*	*02/23/15 07:18*	*02/24/15 01:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 09:20	02/27/15 20:21	1
Barium	**0.92**		0.50	0.050	mg/L		02/27/15 09:20	02/27/15 20:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 20:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 20:21	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:21	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:21	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:21	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 20:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 20:21	1
Manganese	**0.060**		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:21	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:21	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 20:21	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:21	1
Zinc	**0.037**	**J**	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.029**	**J**	0.050	0.010	mg/L		02/26/15 10:20	02/27/15 01:40	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		02/26/15 10:20	02/27/15 01:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 01:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 01:40	1
Chromium	**0.056**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:40	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:40	1
Copper	**0.12**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:40	1
Iron	**79**		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 01:40	1
Lead	**0.032**		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 01:40	1
Manganese	**0.58**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:40	1
Nickel	**0.067**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:40	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 01:40	1

Client Sample ID: CC-2(5-10)-021815
Date Collected: 02/18/15 15:20
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:40	1
Zinc	**0.19**	**B**	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 01:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.59**	**J B**	1.2	0.26	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Arsenic	**8.0**		0.62	0.29	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Barium	**110**		0.62	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Beryllium	**0.71**		0.25	0.054	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Cadmium	**0.28**		0.12	0.036	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Calcium	**26000**		12	4.0	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Chromium	**18**		0.62	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Cobalt	**8.9**		0.31	0.070	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Copper	**27**		0.62	0.14	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Iron	**24000**		12	4.8	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Lead	**14**		0.31	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Magnesium	**19000**		6.2	2.5	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Manganese	**640**		0.62	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Nickel	**30**		0.62	0.17	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Potassium	**2100**		31	5.1	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Selenium	<0.62		0.62	0.31	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Sodium	**250**		62	8.2	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Thallium	**1.3**		0.62	0.31	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Vanadium	**25**		0.31	0.091	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1
Zinc	**50**	**B**	1.2	0.39	mg/Kg	☼	02/22/15 18:41	02/24/15 03:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**42**		19	6.6	ug/Kg	☼	02/23/15 15:00	02/24/15 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.67**		0.200	0.200	SU			02/23/15 14:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(10-15)-021815
Date Collected: 02/18/15 15:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-8
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	☼		02/24/15 01:40	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		02/24/15 01:40	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/24/15 01:40	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		02/24/15 01:40	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		02/24/15 01:40	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		02/24/15 01:40	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		02/24/15 01:40	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		02/24/15 01:40	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		02/24/15 01:40	1
Chloroform	<6.2		6.2	0.72	ug/Kg	☼		02/24/15 01:40	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		02/24/15 01:40	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		02/24/15 01:40	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		02/24/15 01:40	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/24/15 01:40	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		02/24/15 01:40	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/24/15 01:40	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/24/15 01:40	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		02/24/15 01:40	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		02/24/15 01:40	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		02/24/15 01:40	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		02/24/15 01:40	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		02/24/15 01:40	1
Methyl Ethyl Ketone	<6.2		6.2	2.3	ug/Kg	☼		02/24/15 01:40	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		02/24/15 01:40	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		02/24/15 01:40	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		02/24/15 01:40	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		02/24/15 01:40	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		02/24/15 01:40	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		02/24/15 01:40	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	☼		02/24/15 01:40	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		02/24/15 01:40	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		02/24/15 01:40	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		02/24/15 01:40	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/24/15 01:40	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		02/24/15 01:40	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		02/24/15 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*02/24/15 01:40*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*02/24/15 01:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*02/24/15 01:40*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*02/24/15 01:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(10-15)-021815
Date Collected: 02/18/15 15:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-8
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	<410		410	93	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2,4-Dinitrophenol	<830		830	720	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2,6-Dinitrotoluene	<210		210	80	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2-Methylnaphthalene	<41		41	7.5	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2-Methylphenol	<210		210	66	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Anthracene	<41		41	6.8	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Benzo[a]anthracene	<41		41	5.5	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Benzo[a]pyrene	<41		41	7.9	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Benzo[b]fluoranthene	<41		41	8.8	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Carbazole	<210		210	110	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Chrysene	<41		41	11	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Dibenzofuran	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Di-n-octyl phthalate	**560**		210	67	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Fluoranthene	<41		41	7.6	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Fluorene	<41		41	5.8	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Hexachloroethane	<210		210	62	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: CC-2(10-15)-021815
Date Collected: 02/18/15 15:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-8
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	<41		41	11	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Isophorone	<210		210	46	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Naphthalene	<41		41	6.3	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
N-Nitrosodi-n-propylamine	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Phenanthrene	<41		41	5.7	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Phenol	<210		210	91	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1
Pyrene	<41		41	8.1	ug/Kg	☼	02/23/15 07:18	02/24/15 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*02/23/15 07:18*	*02/24/15 01:41*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*02/23/15 07:18*	*02/24/15 01:41*	*1*
2-Fluorophenol	*67*		*25 - 110*	*02/23/15 07:18*	*02/24/15 01:41*	*1*
Nitrobenzene-d5	*69*		*25 - 115*	*02/23/15 07:18*	*02/24/15 01:41*	*1*
Phenol-d5	*69*		*31 - 110*	*02/23/15 07:18*	*02/24/15 01:41*	*1*
Terphenyl-d14	*84*		*36 - 134*	*02/23/15 07:18*	*02/24/15 01:41*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 09:20	02/27/15 20:27	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		02/27/15 09:20	02/27/15 20:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 20:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 20:27	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:27	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:27	1
Copper	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:27	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 20:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 20:27	1
Manganese	**0.14**		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:27	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:27	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 20:27	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 20:27	1
Zinc	**0.021**	**J**	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.032**	**J**	0.050	0.010	mg/L		02/26/15 10:20	02/27/15 01:46	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		02/26/15 10:20	02/27/15 01:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 01:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 01:46	1
Chromium	**0.047**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:46	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:46	1
Copper	**0.077**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:46	1
Iron	**65**		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 01:46	1
Lead	**0.028**		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 01:46	1
Manganese	**0.23**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:46	1
Nickel	**0.050**		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:46	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 01:46	1

Client Sample ID: CC-2(10-15)-021815
Date Collected: 02/18/15 15:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 01:46	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 01:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.74**	**J B**	1.2	0.25	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Arsenic	**13**		0.60	0.28	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Barium	**64**		0.60	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Beryllium	**0.64**		0.24	0.052	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Cadmium	**0.24**		0.12	0.035	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Calcium	**50000**		12	3.8	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Chromium	**17**		0.60	0.10	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Cobalt	**12**		0.30	0.067	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Copper	**30**		0.60	0.13	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Iron	**26000**		12	4.6	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Lead	**14**		0.30	0.15	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Magnesium	**33000**		6.0	2.4	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Manganese	**580**		0.60	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Nickel	**30**		0.60	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Potassium	**2800**		30	4.9	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Sodium	**380**		60	7.9	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Thallium	**1.7**		0.60	0.29	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Vanadium	**21**		0.30	0.087	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1
Zinc	**49**	**B**	1.2	0.38	mg/Kg	☼	02/22/15 18:41	02/24/15 03:57	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		20	6.9	ug/Kg	☼	02/23/15 15:00	02/24/15 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.64**		0.200	0.200	SU			02/23/15 14:11	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.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
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.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-92468 COC

Chain of Custody Record

Lab Job #: 500-92468

Chain of Custody Number:

Page 3 of 6

Temperature °C of Cooler: (3.2)(2.8)(3.4)

(optional) Report To	(optional) Bill To
Contact: S. Babasunkumar	Contact:
Company: Weston Solutions	Company:
Address: 300 Plaza Circle #202	Address:
Address: Mundelein, IL 60060	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Babu.Babasunkumar@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions	002
Project Name	
IDOT-US Route 34-002	
Project Location/State	Lab Project #
Naperville, IL	50010634
Sampler	Lab PM
D. Sena	R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Metals	TCL/Spec Metals	pH	Comments
							7	VOCs	SVOCs	Metals	TCL/Spec Metals	pH	
1		SA-4(0-4)-021815	2-18-15	13:30	2	SO		X	X	X	X	X	
2		TC-1(0-4)-021815		14:10									
3		TC-2(0-4)-021815		14:30									
4		TC-3(0-4)-021815		14:40									
5		CC-1(0-4)-021815		14:50									
6		CC-2(0-5)-021815		15:15									
7		CC-2(5-10)-021815		15:20									
8		CC-2(10-15)-021815		15:25									
9		CC-3(0-4)-021815		15:50									
10		CC-4(0-4)-021815	2-18-15	16:00	2	SO		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	2-19-15	13:50		TA	2/19/15	1358
	TA	2/19/15	1500		TA-CHI	2/19/15	1500

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-580-(1209)

3/2/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-118244-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/17/2016 4:06:53 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Client Sample ID: CC-1(4-10)-100616
Date Collected: 10/06/16 11:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-9
Matrix: Solid
Percent Solids: 85.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	2.8	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Benzene	<3.6		3.6	0.81	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Bromodichloromethane	<3.6		3.6	0.62	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Bromoform	<3.6		3.6	0.74	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Bromomethane	<3.6		3.6	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Carbon disulfide	<3.6		3.6	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Carbon tetrachloride	<3.6		3.6	0.78	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Chlorobenzene	<3.6		3.6	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Chloroethane	<3.6		3.6	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Chloroform	<3.6		3.6	0.71	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Chloromethane	<3.6		3.6	0.87	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
cis-1,2-Dichloroethene	<3.6		3.6	0.74	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
cis-1,3-Dichloropropene	<3.6		3.6	0.83	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Dibromochloromethane	<3.6		3.6	0.42	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
1,1-Dichloroethane	<3.6		3.6	0.75	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
1,2-Dichloroethane	<3.6		3.6	0.54	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
1,1-Dichloroethene	<3.6		3.6	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
1,2-Dichloropropane	<3.6		3.6	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
1,3-Dichloropropene, Total	<3.6		3.6	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Ethylbenzene	<3.6		3.6	0.90	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Methylene Chloride	<3.6		3.6	2.8	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Methyl Ethyl Ketone	<3.6		3.6	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
methyl isobutyl ketone	<3.6		3.6	0.75	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Methyl tert-butyl ether	<3.6		3.6	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Styrene	<3.6		3.6	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
1,1,2,2-Tetrachloroethane	<3.6		3.6	0.58	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Tetrachloroethene	<3.6		3.6	0.76	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Toluene	<3.6		3.6	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
trans-1,2-Dichloroethene	<3.6		3.6	0.91	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
trans-1,3-Dichloropropene	<3.6		3.6	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
1,1,1-Trichloroethane	<3.6		3.6	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
1,1,2-Trichloroethane	<3.6		3.6	0.71	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Trichloroethene	<3.6		3.6	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Vinyl chloride	<3.6		3.6	0.87	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1
Xylenes, Total	<7.3		7.3	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 120*	*10/06/16 17:20*	*10/12/16 19:29*	*1*
Dibromofluoromethane	*111*		*75 - 120*	*10/06/16 17:20*	*10/12/16 19:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*69 - 134*	*10/06/16 17:20*	*10/12/16 19:29*	*1*
Toluene-d8 (Surr)	*99*		*75 - 123*	*10/06/16 17:20*	*10/12/16 19:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1

Client Sample ID: CC-1(4-10)-100616
Date Collected: 10/06/16 11:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-9
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Carbazole	<190		190	96	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Chrysene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1

Client Sample ID: CC-1(4-10)-100616
Date Collected: 10/06/16 11:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-9
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Isophorone	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Phenol	<190		190	86	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1
Pyrene	**9.0**	**J**	38	7.7	ug/Kg	☼	10/07/16 07:24	10/07/16 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*25 - 130*	*10/07/16 07:24*	*10/07/16 23:50*	*1*
2-Fluorobiphenyl	*97*		*42 - 115*	*10/07/16 07:24*	*10/07/16 23:50*	*1*
2-Fluorophenol	*107*		*40 - 130*	*10/07/16 07:24*	*10/07/16 23:50*	*1*
Nitrobenzene-d5	*97*		*33 - 124*	*10/07/16 07:24*	*10/07/16 23:50*	*1*
Phenol-d5	*77*		*36 - 123*	*10/07/16 07:24*	*10/07/16 23:50*	*1*
Terphenyl-d14	*157*	*X*	*25 - 150*	*10/07/16 07:24*	*10/07/16 23:50*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 04:01	1
Barium	**0.54**		0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:01	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:01	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:01	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:01	1
Iron	**0.26**	**J**	0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:01	1
Manganese	**0.66**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:01	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:01	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:01	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:01	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.12**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:21	1
Barium	**0.60**		0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:21	1
Beryllium	**0.0073**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:21	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:21	1
Chromium	**0.15**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:21	1
Cobalt	**0.064**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:21	1
Copper	**0.29**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:21	1
Iron	**220**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:21	1
Lead	**0.082**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:21	1
Manganese	**0.75**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:21	1
Nickel	**0.23**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:21	1

Client Sample ID: CC-1(4-10)-100616
Date Collected: 10/06/16 11:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-9
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:21	1
Zinc	**0.53**		0.50	0.020	mg/L		10/14/16 14:15	10/17/16 14:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.91		0.91	0.19	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Arsenic	**9.4**		0.45	0.21	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Barium	**47**		0.45	0.083	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Beryllium	**0.49**		0.18	0.039	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Cadmium	**0.20**		0.091	0.026	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Calcium	**82000**	**B**	91	29	mg/Kg	☼	10/13/16 08:27	10/14/16 20:17	10
Chromium	**11**	**B**	0.45	0.078	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Cobalt	**12**		0.23	0.051	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Copper	**23**		0.45	0.098	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Iron	**17000**	**B**	9.1	3.5	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Lead	**14**		0.23	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Magnesium	**32000**		4.5	1.8	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Manganese	**330**		0.45	0.090	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Nickel	**27**		0.45	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Potassium	**1400**		23	3.7	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Selenium	<0.45		0.45	0.22	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Silver	<0.23		0.23	0.053	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Sodium	**540**		45	6.0	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Thallium	**0.46**		0.45	0.22	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Vanadium	**14**		0.23	0.066	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1
Zinc	**55**		0.91	0.29	mg/Kg	☼	10/13/16 08:27	10/14/16 01:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		18	9.5	ug/Kg	☼	10/11/16 15:45	10/12/16 11:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.9**		0.2	0.2	SU			10/11/16 03:10	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-118244 COC

Report To (optional)
Contact: S. Balasubramanian
Company: Weston Solutions, Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8, 3.3

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	I Pb					Comments
1		DR-6(4-9)-100616	10-6-16	0855	6	S	X	X	X	X	X					
2		DR-6(9-15)-100616		0910	6	S	X	X	X	X	X					
3		DR-6(9-15)-100616 D		0910	6	S	X	X	X	X	X					
4		DR-8 (4-9)-100616		0950	6	S	X	X	X	X	X					
5		DR-8(9-15)-100616		1000	6	S	X	X	X	X	X					
6		DR-7(4-9)-100616		1025	6	S	X	X	X	X	X					
7		DR-7(9-15)-100616		1035	6	S	X	X	X	X	X					
8		CC-3(4-10)-100616		1100	6	S	X	X	X	X	X					
9		CC-1-(4-10)-100616		1125	6	S	X	X	X	X	X					
10		TC-4(4-9)-100616	10-6-16	1155	6	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
T. Walls	Weston	10-6-16	1505	David Becker	TA	10-6-16	1505
David Becker	TA	10/6/16	1610	Shawn Scott	TA-CHI	10/6/16	1610

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1208)

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. Babuswkumar
Company: Weston Solution, Inc
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		TC-4(9-15)-100616	10-6-16	1205	6	S		X	X	X	X	X	
12		OP-1(0-4)-100616		1300	6	S		X	X	X	X	X	
13		OP-1(4-9)-100616		1310	6	S		X	X	X	X	X	
14		CB-1(0-5)-100616		1315	6	S		X	X	X	X	X	
15		CB-1(5-10)-100616		1320	6	S		X	X	X	X	X	
16		SA-5(4-8)-100616		~~1355~~ 1405	6	S		X	X	X	X	X	Sample time = 1405
17		R18-3(4-7)-100616		1425	6	S		X	X	X	X	X	
18		R18-3(4-7)-100616D		1425	6	S		X	X	X	X	X	
19		VB-5(4-9)-100616		1450	6	S		X	X	X	X	X	
20		VB-5(9-15)-100616	10-6-16	1500	6	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10/6/16	1505
David Becker	TA	10-6-16	1610	Allen Scott	TA-CHI	10/6/16	1610
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

1011 North Columbia Avenue (ISGS SITE No. 2619V-18)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.787102722 (Decimal Degrees) Longitude: -88.136707876 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.787102722 Longitude: -88.136707876

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 R18-1, R18-2, AND R18-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2619V-18 SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-92467-1 AND
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-118244-1
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017
Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 2619V-18
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	R18-1(0-4)-021815	R18-2(0-4)-021815	R18-3(4-7)-100616	R18-3(4-7)-100616D	Soil Reference Concentrations[A]
Sample Date	2/18/2015	2/18/2015	10/6/2016	10/6/2016	
Location ID	R18-1	R18-2	R18-3	R18-3	
Depth	0 - 4	0 - 4	4 - 7	4 - 7	
ISGS Site No.	2619V-18	2619V-18	2619V-18	2619V-18	
Parameter					
Laboratory pH (s.u.)	8.41	8.35	8.70	8.70	<6.25, >9.0
Total Metals (mg/kg)					
Arsenic, Total	ND	10 J-	8.5	8.6	11.3 / 13.0
Barium, Total	6.5	60	37	37	1500
Beryllium, Total	0.25 J	0.69	0.59	0.61	22
Cadmium, Total	ND	0.3	0.16	0.17	5.2
Calcium, Total	170000 J+	47000 J+	76000 B	89000 B	---
Chromium, Total	4	18	14 B	14 B	21
Cobalt, Total	1.9 J	12 J	13	13	20
Copper, Total	3.8	26	23	24	2900
Iron, Total	4600 J-	24000 J-	18000 B	19000 B	15000 / 15900
Lead, Total	3.3	14	14	14	107
Magnesium, Total	96000 J+	29000 J+	29000	32000	325000
Manganese, Total	270 J	460 J	340	320	630
Mercury, Total	ND	0.024 J	0.022	0.037	0.89
Nickel, Total	5.8 J-	29 J-	32	30	100
Potassium, Total	960 J+	2800 J+	1700	1600	---
Sodium, Total	870	1300	270	290	---
Thallium, Total	ND	1.1 J-	0.66	0.42 J	2.6
Vanadium, Total	14	22	16	16	550
Zinc, Total	ND	46 J-	54	54	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.11 J	0.45 J	0.3 J	0.24 J	2
Cadmium, TCLP	ND	ND	ND	0.0031 J	0.005
Cobalt, TCLP	ND	ND	ND	0.037	1
Copper, TCLP	0.075	ND	0.016 J	0.035	0.65
Iron, TCLP	0.45	ND	ND	ND	5
Manganese, TCLP	1.1	1.3	0.3 J	2.8 J	0.15
Nickel, TCLP	0.012 J	ND	ND	0.028	0.1
Zinc, TCLP	0.05 J	0.024 J	ND	ND	5
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	0.095	0.074	0.073	0.05
Barium, SPLP	0.21 J	0.79	0.34 J	0.37 J	2
Beryllium, SPLP	ND	0.0079	0.0061	0.0056	0.004
Chromium, SPLP	ND	0.17	0.11	0.12	0.1
Cobalt, SPLP	ND	0.083	0.036	0.038	1
Copper, SPLP	0.021 J	0.24	0.19	0.2	0.65
Iron, SPLP	0.8	210	150 J+	150 J+	5
Lead, SPLP	ND	0.11	0.047	0.048	0.0075
Manganese, SPLP	ND	1.5	0.47	0.48	0.15
Nickel, SPLP	ND	0.24	0.15	0.17	0.1
Zinc, SPLP	0.19 B	0.55 B	0.34 J	0.36 J	5
VOCs (ug/kg)					
Acetone	6.2	25	ND	ND	25000
Methyl ethyl ketone	ND	5.1 J	ND	ND	---
SVOCs (ug/kg)					
2-Methylnaphthalene	380 J	ND	ND	ND	---
Benzo(a)anthracene	430 J	ND	ND	5.8 J	900 / 1100 / 1800
Benzo(a)pyrene	500 J	ND	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	580 J	ND	ND	9.6 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	430 J	ND	ND	ND	---
Benzo(k)fluoranthene	330 J	ND	ND	ND	9000
Chrysene	610 J	ND	ND	ND	88000
Di-N-Octyl phthalate	ND	540	ND	ND	1600000
Fluoranthene	740	ND	10 J	9.6 J	3100000
Phenanthrene	760	ND	ND	ND	---
Pyrene	1600	ND	10 J	8.1 J	2300000

Summary Table of ISGS Site No. 2619V-18
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-92467-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
2/27/2015 4:26:22 PM

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

Client Sample ID: R18-1(0-4)-021815
Date Collected: 02/18/15 11:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-11
Matrix: Solid
Percent Solids: 92.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.2		5.4	2.3	ug/Kg	☼		02/21/15 03:31	1
Benzene	<5.4		5.4	0.74	ug/Kg	☼		02/21/15 03:31	1
Bromodichloromethane	<5.4		5.4	0.93	ug/Kg	☼		02/21/15 03:31	1
Bromoform	<5.4		5.4	1.2	ug/Kg	☼		02/21/15 03:31	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	☼		02/21/15 03:31	1
Carbon disulfide	<5.4		5.4	0.81	ug/Kg	☼		02/21/15 03:31	1
Carbon tetrachloride	<5.4		5.4	0.99	ug/Kg	☼		02/21/15 03:31	1
Chlorobenzene	<5.4		5.4	0.55	ug/Kg	☼		02/21/15 03:31	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	☼		02/21/15 03:31	1
Chloroform	<5.4		5.4	0.62	ug/Kg	☼		02/21/15 03:31	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	☼		02/21/15 03:31	1
cis-1,2-Dichloroethene	<5.4		5.4	0.77	ug/Kg	☼		02/21/15 03:31	1
cis-1,3-Dichloropropene	<5.4		5.4	0.71	ug/Kg	☼		02/21/15 03:31	1
Dibromochloromethane	<5.4		5.4	0.94	ug/Kg	☼		02/21/15 03:31	1
1,1-Dichloroethane	<5.4		5.4	0.86	ug/Kg	☼		02/21/15 03:31	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		02/21/15 03:31	1
1,1-Dichloroethene	<5.4		5.4	0.88	ug/Kg	☼		02/21/15 03:31	1
1,2-Dichloropropane	<5.4		5.4	0.82	ug/Kg	☼		02/21/15 03:31	1
1,3-Dichloropropene, Total	<5.4		5.4	0.71	ug/Kg	☼		02/21/15 03:31	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	☼		02/21/15 03:31	1
2-Hexanone	<5.4		5.4	1.6	ug/Kg	☼		02/21/15 03:31	1
Methylene Chloride	<5.4		5.4	1.5	ug/Kg	☼		02/21/15 03:31	1
Methyl Ethyl Ketone	<5.4		5.4	2.0	ug/Kg	☼		02/21/15 03:31	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	☼		02/21/15 03:31	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	☼		02/21/15 03:31	1
Styrene	<5.4		5.4	0.71	ug/Kg	☼		02/21/15 03:31	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	☼		02/21/15 03:31	1
Tetrachloroethene	<5.4		5.4	0.83	ug/Kg	☼		02/21/15 03:31	1
Toluene	<5.4		5.4	0.76	ug/Kg	☼		02/21/15 03:31	1
trans-1,2-Dichloroethene	<5.4		5.4	0.75	ug/Kg	☼		02/21/15 03:31	1
trans-1,3-Dichloropropene	<5.4		5.4	0.97	ug/Kg	☼		02/21/15 03:31	1
1,1,1-Trichloroethane	<5.4		5.4	0.81	ug/Kg	☼		02/21/15 03:31	1
1,1,2-Trichloroethane	<5.4		5.4	0.74	ug/Kg	☼		02/21/15 03:31	1
Trichloroethene	<5.4		5.4	0.89	ug/Kg	☼		02/21/15 03:31	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg	☼		02/21/15 03:31	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		02/21/15 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*02/21/15 03:31*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*02/21/15 03:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*02/21/15 03:31*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/21/15 03:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<3600		3600	770	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
1,2-Dichlorobenzene	<3600		3600	860	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
1,3-Dichlorobenzene	<3600		3600	810	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
1,4-Dichlorobenzene	<3600		3600	920	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2,2'-oxybis[1-chloropropane]	<3600		3600	830	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: R18-1(0-4)-021815
Date Collected: 02/18/15 11:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-11
Matrix: Solid
Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<7100		7100	1600	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2,4,6-Trichlorophenol	<7100		7100	2500	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2,4-Dichlorophenol	<7100		7100	1700	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2,4-Dimethylphenol	<7100		7100	2700	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2,4-Dinitrophenol	<14000		14000	13000	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2,4-Dinitrotoluene	<3600		3600	1100	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2,6-Dinitrotoluene	<3600		3600	1400	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2-Chloronaphthalene	<3600		3600	790	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2-Chlorophenol	<3600		3600	1200	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2-Methylnaphthalene	**380**	**J**	710	130	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2-Methylphenol	<3600		3600	1200	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2-Nitroaniline	<3600		3600	970	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
2-Nitrophenol	<7100		7100	1700	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
3 & 4 Methylphenol	<3600		3600	1200	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
3,3'-Dichlorobenzidine	<3600		3600	1000	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
3-Nitroaniline	<7100		7100	2200	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
4,6-Dinitro-2-methylphenol	<7100		7100	5800	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
4-Bromophenyl phenyl ether	<3600		3600	950	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
4-Chloro-3-methylphenol	<7100		7100	2400	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
4-Chloroaniline	<14000		14000	3400	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
4-Chlorophenyl phenyl ether	<3600		3600	840	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
4-Nitroaniline	<7100		7100	3000	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
4-Nitrophenol	<14000		14000	6800	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Acenaphthene	<710		710	130	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Acenaphthylene	<710		710	95	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Anthracene	<710		710	120	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Benzo[a]anthracene	**430**	**J**	710	97	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Benzo[a]pyrene	**500**	**J**	710	140	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Benzo[b]fluoranthene	**580**	**J**	710	150	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Benzo[g,h,i]perylene	**430**	**J**	710	230	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Benzo[k]fluoranthene	**330**	**J**	710	210	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Bis(2-chloroethoxy)methane	<3600		3600	730	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Bis(2-chloroethyl)ether	<3600		3600	1100	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Bis(2-ethylhexyl) phthalate	<3600		3600	1300	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Butyl benzyl phthalate	<3600		3600	1400	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Carbazole	<3600		3600	1900	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Chrysene	**610**	**J**	710	200	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Dibenz(a,h)anthracene	<710		710	140	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Dibenzofuran	<3600		3600	840	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Diethyl phthalate	<3600		3600	1200	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Dimethyl phthalate	<3600		3600	940	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Di-n-butyl phthalate	<3600		3600	1100	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Di-n-octyl phthalate	<3600		3600	1200	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Fluoranthene	**740**		710	130	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Fluorene	<710		710	100	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Hexachlorobenzene	<1400		1400	170	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Hexachlorobutadiene	<3600		3600	1100	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Hexachlorocyclopentadiene	<14000		14000	4100	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Hexachloroethane	<3600		3600	1100	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: R18-1(0-4)-021815
Date Collected: 02/18/15 11:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-11
Matrix: Solid
Percent Solids: 92.3

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	<710		710	190	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Isophorone	<3600		3600	810	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Naphthalene	<710		710	110	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Nitrobenzene	<710		710	180	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
N-Nitrosodi-n-propylamine	<3600		3600	880	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
N-Nitrosodiphenylamine	<3600		3600	850	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Pentachlorophenol	<14000		14000	12000	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Phenanthrene	**760**		710	100	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Phenol	<3600		3600	1600	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10
Pyrene	**1600**		710	140	ug/Kg	☼	02/23/15 07:10	02/25/15 19:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*02/23/15 07:10*	*02/25/15 19:55*	*10*
2-Fluorobiphenyl	*74*		*25 - 119*	*02/23/15 07:10*	*02/25/15 19:55*	*10*
2-Fluorophenol	*67*		*25 - 110*	*02/23/15 07:10*	*02/25/15 19:55*	*10*
Nitrobenzene-d5	*56*		*25 - 115*	*02/23/15 07:10*	*02/25/15 19:55*	*10*
Phenol-d5	*63*		*31 - 110*	*02/23/15 07:10*	*02/25/15 19:55*	*10*
Terphenyl-d14	*141*	*X*	*36 - 134*	*02/23/15 07:10*	*02/25/15 19:55*	*10*

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		02/26/15 09:40	02/27/15 05:31	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 05:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 05:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 05:31	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:31	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:31	1
Copper	**0.075**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:31	1
Iron	**0.45**		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 05:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 05:31	1
Manganese	**1.1**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:31	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:31	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 05:31	1
Silver	<0.025	^	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:31	1
Zinc	**0.050**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 05:31	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		02/25/15 10:15	02/26/15 07:03	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 07:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 07:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 07:03	1
Chromium	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:03	1
Cobalt	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:03	1
Copper	**0.021**	**J**	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:03	1
Iron	**0.80**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 07:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:16	1
Manganese	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:03	1
Nickel	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:03	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 07:03	1

Client Sample ID: R18-1(0-4)-021815
Date Collected: 02/18/15 11:25
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:03	1
Zinc	**0.19**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 07:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.1		5.1	1.1	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Arsenic	<2.5		2.5	1.2	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Barium	**6.5**		2.5	0.47	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Beryllium	**0.25**	**J**	1.0	0.22	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Cadmium	<0.51		0.51	0.15	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Calcium	**170000**		100	33	mg/Kg	☼	02/22/15 18:41	02/27/15 12:26	10
Chromium	**4.0**		2.5	0.44	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Cobalt	**1.9**		1.3	0.29	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Copper	**3.8**		2.5	0.55	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Iron	**4600**		51	20	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Lead	**3.3**		1.3	0.63	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Magnesium	**96000**		25	10	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Manganese	**270**		2.5	0.50	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Nickel	**5.8**		0.51	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 22:29	1
Potassium	**960**		25	4.2	mg/Kg	☼	02/22/15 18:41	02/23/15 22:29	1
Selenium	<2.5		2.5	1.3	mg/Kg	☼	02/22/15 18:41	02/25/15 11:55	5
Silver	<1.3		1.3	0.30	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Sodium	**870**		51	6.7	mg/Kg	☼	02/22/15 18:41	02/23/15 22:29	1
Thallium	<2.5		2.5	1.3	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Vanadium	**14**		1.3	0.37	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5
Zinc	**8.9**	**B**	5.1	1.6	mg/Kg	☼	02/22/15 18:41	02/24/15 18:20	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<16		16	5.4	ug/Kg	☼	02/23/15 15:00	02/24/15 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.41**		0.200	0.200	SU			02/23/15 11:56	1

Client Sample ID: R18-2(0-4)-021815
Date Collected: 02/18/15 11:40
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-12
Matrix: Solid
Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25		6.0	2.6	ug/Kg	☼		02/21/15 03:56	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 03:56	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 03:56	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/21/15 03:56	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/21/15 03:56	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 03:56	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 03:56	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		02/21/15 03:56	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 03:56	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/21/15 03:56	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 03:56	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		02/21/15 03:56	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 03:56	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 03:56	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		02/21/15 03:56	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		02/21/15 03:56	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		02/21/15 03:56	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		02/21/15 03:56	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 03:56	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 03:56	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/21/15 03:56	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 03:56	1
Methyl Ethyl Ketone	5.1	J	6.0	2.2	ug/Kg	☼		02/21/15 03:56	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 03:56	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		02/21/15 03:56	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 03:56	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 03:56	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		02/21/15 03:56	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		02/21/15 03:56	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 03:56	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 03:56	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 03:56	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		02/21/15 03:56	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		02/21/15 03:56	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 03:56	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/21/15 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*02/21/15 03:56*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*02/21/15 03:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*02/21/15 03:56*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*02/21/15 03:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: R18-2(0-4)-021815
Date Collected: 02/18/15 11:40
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-12
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	87	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2-Methylphenol	<190		190	61	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Anthracene	<38		38	6.4	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Carbazole	<190		190	99	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Chrysene	<38		38	10	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Di-n-octyl phthalate	**540**		190	62	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Fluorene	<38		38	5.4	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Hexachloroethane	<190		190	58	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: R18-2(0-4)-021815
Date Collected: 02/18/15 11:40
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-12
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	9.9	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Isophorone	<190		190	43	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Naphthalene	<38		38	5.9	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Phenol	<190		190	85	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1
Pyrene	<38		38	7.6	ug/Kg	☼	02/23/15 07:10	02/24/15 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 137*	*02/23/15 07:10*	*02/24/15 03:40*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*02/23/15 07:10*	*02/24/15 03:40*	*1*
2-Fluorophenol	*54*		*25 - 110*	*02/23/15 07:10*	*02/24/15 03:40*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*02/23/15 07:10*	*02/24/15 03:40*	*1*
Phenol-d5	*58*		*31 - 110*	*02/23/15 07:10*	*02/24/15 03:40*	*1*
Terphenyl-d14	*75*		*36 - 134*	*02/23/15 07:10*	*02/24/15 03:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 05:37	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 05:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 05:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 05:37	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:37	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:37	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:37	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 05:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 05:37	1
Manganese	**1.3**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:37	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:37	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 05:37	1
Silver	<0.025	^	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:37	1
Zinc	**0.024**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 05:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.095**		0.050	0.010	mg/L		02/25/15 10:15	02/26/15 07:25	1
Barium	**0.79**		0.50	0.050	mg/L		02/25/15 10:15	02/26/15 07:25	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 07:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 07:25	1
Chromium	**0.17**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:25	1
Cobalt	**0.083**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:25	1
Copper	**0.24**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:25	1
Iron	**210**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 07:25	1
Lead	**0.11**		0.038	0.038	mg/L		02/25/15 10:15	02/27/15 04:23	5
Manganese	**1.5**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:25	1
Nickel	**0.24**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:25	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 07:25	1

Client Sample ID: R18-2(0-4)-021815
Date Collected: 02/18/15 11:40
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 07:25	1
Zinc	**0.55**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 07:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.71**	**J B**	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Arsenic	**10**		0.58	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Barium	**60**		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Beryllium	**0.69**		0.23	0.051	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Cadmium	**0.30**		0.12	0.034	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Calcium	**47000**		12	3.8	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Chromium	**18**		0.58	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Cobalt	**12**		0.29	0.066	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Copper	**26**		0.58	0.13	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Iron	**24000**		12	4.5	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Lead	**14**		0.29	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Magnesium	**29000**		5.8	2.4	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Manganese	**460**		0.58	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Nickel	**29**		0.58	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Potassium	**2800**		29	4.8	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Selenium	<0.58	L	0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Sodium	**1300**		58	7.7	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Thallium	**1.1**		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Vanadium	**22**		0.29	0.085	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1
Zinc	**46**	**B**	1.2	0.37	mg/Kg	☼	02/22/15 18:41	02/23/15 22:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		19	6.6	ug/Kg	☼	02/23/15 15:00	02/24/15 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.35**		0.200	0.200	SU			02/23/15 12:00	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
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.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Babu Babusukumar
Company: weston
Address: 300 Plaza Circle #202
Address: Mundelein, IL 60060
Phone:
Fax:
E-Mail: Babu.Babusukumar@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-92467
Chain of Custody Number:
Page 2 of 6
Temperature °C of Cooler:

Client: Weston Solutions
Client Project #: 002
Project Name: IDOT-US Route 34-002
Project Location/State: Naperville, IL
Lab Project #: 50010634
Sampler: D. Sena
Lab PM: R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (Pres. 7)	SVOCs (Pres. 7)	Metals (Pres. 7)	TCLP/SPLP Metals (Pres. 7)	pH (Pres. 7)					Comments
11		R18-1(0-4)-021815	2-18-15	11:25	2	So	X	X	X	X	X					
12		R18-2(0-4)-021815		11:40												
13		SA-1(0-4)-021815		12:00												
14		SA-2(0-5)-021815		12:20												
15		SA-2(5-10)-021815		12:25												
16		SA-2(5-10)-021815D		12:25												
17		SA-2(10-15)-021815		12:30												
18		SA-3(0-5)-021815		13:00												
19		SA-3(5-10)-021815		13:05												
20		SA-3(10-15)-021815	2-18-15	13:10	2	So	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	2-18-15	13:50	[signature]	TA	2/19/15	1350
[signature]	TA	2/19/15	1500	Sheri Scott	TA-CHI	2/19/15	1500

Lab Courier: [signature]
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-118244-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/17/2016 4:06:53 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Client Sample ID: R18-3(4-7)-100616
Date Collected: 10/06/16 14:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-17
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	3.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Benzene	<4.0		4.0	0.89	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Bromodichloromethane	<4.0		4.0	0.68	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Bromoform	<4.0		4.0	0.82	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Carbon disulfide	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Carbon tetrachloride	<4.0		4.0	0.86	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Chlorobenzene	<4.0		4.0	0.95	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Chloroethane	<4.0		4.0	1.7	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Chloroform	<4.0		4.0	0.78	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Chloromethane	<4.0		4.0	0.96	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
cis-1,2-Dichloroethene	<4.0		4.0	0.82	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
cis-1,3-Dichloropropene	<4.0		4.0	0.91	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Dibromochloromethane	<4.0		4.0	0.46	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
1,1-Dichloroethane	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
1,2-Dichloroethane	<4.0		4.0	0.59	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
1,1-Dichloroethene	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
1,2-Dichloropropane	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
1,3-Dichloropropene, Total	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Ethylbenzene	<4.0		4.0	1.0	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Methylene Chloride	<4.0		4.0	3.0	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Methyl Ethyl Ketone	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
methyl isobutyl ketone	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Methyl tert-butyl ether	<4.0		4.0	0.95	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Styrene	<4.0		4.0	0.94	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
1,1,2,2-Tetrachloroethane	<4.0		4.0	0.64	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Tetrachloroethene	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Toluene	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
trans-1,2-Dichloroethene	<4.0		4.0	1.0	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
trans-1,3-Dichloropropene	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
1,1,1-Trichloroethane	<4.0		4.0	0.93	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
1,1,2-Trichloroethane	<4.0		4.0	0.78	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Trichloroethene	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Vinyl chloride	<4.0		4.0	0.96	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1
Xylenes, Total	<8.0		8.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 120*	*10/06/16 17:20*	*10/13/16 14:25*	*1*
Dibromofluoromethane	*109*		*75 - 120*	*10/06/16 17:20*	*10/13/16 14:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*69 - 134*	*10/06/16 17:20*	*10/13/16 14:25*	*1*
Toluene-d8 (Surr)	*101*		*75 - 123*	*10/06/16 17:20*	*10/13/16 14:25*	*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	☼	10/07/16 07:24	10/08/16 02:44	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1

Client Sample ID: R18-3(4-7)-100616
Date Collected: 10/06/16 14:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-17
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	<380		380	88	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Carbazole	<190		190	96	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Chrysene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Fluoranthene	**10**	**J**	38	7.2	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1

Client Sample ID: R18-3(4-7)-100616
Date Collected: 10/06/16 14:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-17
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	<38		38	10	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Isophorone	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Phenol	<190		190	86	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1
Pyrene	**10**	**J**	38	7.7	ug/Kg	☼	10/07/16 07:24	10/08/16 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*25 - 130*	*10/07/16 07:24*	*10/08/16 02:44*	*1*
2-Fluorobiphenyl	*95*		*42 - 115*	*10/07/16 07:24*	*10/08/16 02:44*	*1*
2-Fluorophenol	*90*		*40 - 130*	*10/07/16 07:24*	*10/08/16 02:44*	*1*
Nitrobenzene-d5	*94*		*33 - 124*	*10/07/16 07:24*	*10/08/16 02:44*	*1*
Phenol-d5	*66*		*36 - 123*	*10/07/16 07:24*	*10/08/16 02:44*	*1*
Terphenyl-d14	*155*	*X*	*25 - 150*	*10/07/16 07:24*	*10/08/16 02:44*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 04:38	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:38	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:38	1
Iron	<0.40		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:38	1
Manganese	**0.30**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:38	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:38	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.074**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 05:07	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 05:07	1
Beryllium	**0.0061**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 05:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 05:07	1
Chromium	**0.11**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:07	1
Cobalt	**0.036**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:07	1
Copper	**0.19**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:07	1
Iron	**150**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 05:07	1
Lead	**0.047**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 05:07	1
Manganese	**0.47**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:07	1
Nickel	**0.15**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:07	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 05:07	1

Client Sample ID: R18-3(4-7)-100616
Date Collected: 10/06/16 14:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-17
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:07	1
Zinc	**0.34**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 05:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Arsenic	**8.5**		0.51	0.24	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Barium	**37**		0.51	0.094	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Beryllium	**0.59**		0.20	0.044	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Cadmium	**0.16**		0.10	0.030	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Calcium	**76000**	**B**	100	33	mg/Kg	☼	10/13/16 08:27	10/14/16 20:33	10
Chromium	**14**	**B**	0.51	0.088	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Cobalt	**13**		0.26	0.058	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Copper	**23**		0.51	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Iron	**18000**	**B**	10	4.0	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Lead	**14**		0.26	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Magnesium	**29000**		5.1	2.1	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Manganese	**340**		0.51	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Nickel	**32**		0.51	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Potassium	**1700**		26	4.2	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Sodium	**270**		51	6.8	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Thallium	**0.66**		0.51	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Vanadium	**16**		0.26	0.075	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1
Zinc	**54**		1.0	0.32	mg/Kg	☼	10/13/16 08:27	10/14/16 02:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		19	9.9	ug/Kg	☼	10/11/16 15:45	10/12/16 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			10/11/16 07:07	1

Client Sample ID: R18-3(4-7)-100616D
Date Collected: 10/06/16 14:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-18
Matrix: Solid
Percent Solids: 85.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	3.2	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Benzene	<4.1		4.1	0.91	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Bromodichloromethane	<4.1		4.1	0.69	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Bromoform	<4.1		4.1	0.83	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Carbon disulfide	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Carbon tetrachloride	<4.1		4.1	0.87	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Chlorobenzene	<4.1		4.1	0.96	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Chloroethane	<4.1		4.1	1.7	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Chloroform	<4.1		4.1	0.80	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Chloromethane	<4.1		4.1	0.98	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
cis-1,2-Dichloroethene	<4.1		4.1	0.83	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
cis-1,3-Dichloropropene	<4.1		4.1	0.93	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Dibromochloromethane	<4.1		4.1	0.47	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
1,1-Dichloroethane	<4.1		4.1	0.84	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
1,2-Dichloroethane	<4.1		4.1	0.61	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
1,1-Dichloroethene	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
1,2-Dichloropropane	<4.1		4.1	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
1,3-Dichloropropene, Total	<4.1		4.1	1.2	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Ethylbenzene	<4.1		4.1	1.0	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Methylene Chloride	<4.1		4.1	3.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Methyl Ethyl Ketone	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
methyl isobutyl ketone	<4.1		4.1	0.84	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Methyl tert-butyl ether	<4.1		4.1	0.96	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Styrene	<4.1		4.1	0.96	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
1,1,2,2-Tetrachloroethane	<4.1		4.1	0.65	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Tetrachloroethene	<4.1		4.1	0.85	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Toluene	<4.1		4.1	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
trans-1,2-Dichloroethene	<4.1		4.1	1.0	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
trans-1,3-Dichloropropene	<4.1		4.1	1.2	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
1,1,1-Trichloroethane	<4.1		4.1	0.95	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
1,1,2-Trichloroethane	<4.1		4.1	0.79	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Trichloroethene	<4.1		4.1	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Vinyl chloride	<4.1		4.1	0.97	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1
Xylenes, Total	<8.2		8.2	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 120*	*10/06/16 17:20*	*10/13/16 14:49*	*1*
Dibromofluoromethane	*111*		*75 - 120*	*10/06/16 17:20*	*10/13/16 14:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*69 - 134*	*10/06/16 17:20*	*10/13/16 14:49*	*1*
Toluene-d8 (Surr)	*92*		*75 - 123*	*10/06/16 17:20*	*10/13/16 14:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1

Client Sample ID: R18-3(4-7)-100616D
Date Collected: 10/06/16 14:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-18
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	<360		360	83	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2-Methylphenol	<180		180	59	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Anthracene	<36		36	6.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Benzo[a]anthracene	**5.8**	**J**	36	4.9	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Benzo[b]fluoranthene	**9.6**	**J**	36	7.9	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Carbazole	<180		180	91	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Chrysene	<36		36	10	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Dibenzofuran	<180		180	43	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Fluoranthene	**9.6**	**J**	36	6.8	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Hexachloroethane	<180		180	56	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1

Client Sample ID: R18-3(4-7)-100616D
Date Collected: 10/06/16 14:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-18
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	<36		36	9.5	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Isophorone	<180		180	41	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Naphthalene	<36		36	5.6	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Phenol	<180		180	81	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1
Pyrene	**8.1**	**J**	36	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*55*		*25 - 130*	*10/07/16 07:24*	*10/08/16 03:08*	*1*
2-Fluorobiphenyl	*86*		*42 - 115*	*10/07/16 07:24*	*10/08/16 03:08*	*1*
2-Fluorophenol	*85*		*40 - 130*	*10/07/16 07:24*	*10/08/16 03:08*	*1*
Nitrobenzene-d5	*87*		*33 - 124*	*10/07/16 07:24*	*10/08/16 03:08*	*1*
Phenol-d5	*66*		*36 - 123*	*10/07/16 07:24*	*10/08/16 03:08*	*1*
Terphenyl-d14	*139*		*25 - 150*	*10/07/16 07:24*	*10/08/16 03:08*	*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		10/14/16 14:13	10/16/16 04:48	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:48	1
Cadmium	**0.0031**	**J**	0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:48	1
Cobalt	**0.037**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:48	1
Copper	**0.035**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:48	1
Iron	<0.40		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:48	1
Manganese	**2.8**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:48	1
Nickel	**0.028**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:48	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:48	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:48	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.073**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 03:28	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 03:28	1
Beryllium	**0.0056**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 03:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 03:28	1
Chromium	**0.12**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 03:28	1
Cobalt	**0.038**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 03:28	1
Copper	**0.20**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 03:28	1
Iron	**150**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 03:28	1
Lead	**0.048**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 03:28	1
Manganese	**0.48**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 03:28	1
Nickel	**0.17**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 03:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 03:28	1

Client Sample ID: R18-3(4-7)-100616D
Date Collected: 10/06/16 14:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-18
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 03:28	1
Zinc	**0.36**	**J**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 03:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Arsenic	**8.6**		0.54	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Barium	**37**		0.54	0.099	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Beryllium	**0.61**		0.22	0.047	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Cadmium	**0.17**		0.11	0.031	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Calcium	**89000**	**B**	110	35	mg/Kg	☼	10/13/16 08:27	10/14/16 20:37	10
Chromium	**14**	**B**	0.54	0.093	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Cobalt	**13**		0.27	0.061	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Copper	**24**		0.54	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Iron	**19000**	**B**	11	4.2	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Lead	**14**		0.27	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Magnesium	**32000**		5.4	2.2	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Manganese	**320**		0.54	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Nickel	**30**		0.54	0.15	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Potassium	**1600**		27	4.4	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Sodium	**290**		54	7.2	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Thallium	**0.42**	**J**	0.54	0.27	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Vanadium	**16**		0.27	0.079	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1
Zinc	**54**		1.1	0.34	mg/Kg	☼	10/13/16 08:27	10/14/16 02:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**37**		17	9.2	ug/Kg	☼	10/11/16 15:45	10/12/16 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			10/11/16 07:36	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.

500-118244 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions, Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8, 3.3

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		DR-6(4-9)-100616	10-6-16	0855	6	S	X	X	X	X	X					
2		DR-6(9-15)-100616		0910	6	S	X	X	X	X	X					
3		DR-6(9-15)-100616D		0910	6	S	X	X	X	X	X					
4		DR-8(4-9)-100616		0950	6	S	X	X	X	X	X					
5		DR-8(9-15)-100616		1000	6	S	X	X	X	X	X					
6		DR-7(4-9)-100616		1025	6	S	X	X	X	X	X					
7		DR-7(9-15)-100616		1035	6	S	X	X	X	X	X					
8		CC-3(4-10)-100616		1100	6	S	X	X	X	X	X					
9		CC-1-(4-10)-100616		1125	6	S	X	X	X	X	X					
10		TC-4(4-9)-100616	10-6-16	1155	6	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10-6-16	1505
David Becker	TA	10/6/16	1610	Shun Scott	TA-CHI	10/6/16	1610

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babuswkumar
Company: Weston Solution, Inc
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		TC-4(9-15)-100616	10-6-16	1205	6	S		X	X	X	X	X	
12		OP-1(0-4)-100616		1300	6	S		X	X	X	X	X	
13		OP-1(4-9)-100616		1310	6	S		X	X	X	X	X	
14		CB-1(0-5)-100616		1315	6	S		X	X	X	X	X	
15		CB-1(5-10)-100616		1320	6	S		X	X	X	X	X	
16		SA-5(4-8)-100616		~~1355~~ 1405	6	S		X	X	X	X	X	Sample time = 1405
17		R18-3(4-7)-100616		1425	6	S		X	X	X	X	X	
18		R18-3(4-7)-100616D		1425	6	S		X	X	X	X	X	
19		VB-5(4-9)-100616		1450	6	S		X	X	X	X	X	
20		VB-5(9-15)-100616	10-6-16	1500	6	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10/6/16	1505
David Becker	TA	10-6-16	1610	Allen Scott	TA-CHI	10/6/16	1610
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

1012 North Columbia Avenue (ISGS SITE No. 2619V-19)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.786988814 (Decimal Degrees) Longitude: -88.136554356 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.786988814 Longitude: -88.136554356

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 R19-1 and R19-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2619V-19 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: 500-92467-1
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017
Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 2619V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	R19-1(0-4)-021815	R19-2(0-4)-021815	Soil Reference Concentrations[A]
Sample Date	2/18/2015	2/18/2015	
Location ID	R19-1	R19-2	
Depth	0 - 4	0 - 4	
ISGS Site No.	2619V-19	2619V-19	
Parameter			
Laboratory pH	7.79	7.8	<6.25, >9.0
VOCs	**None Detected**		
SVOCs (ug/kg)			
Acenaphthene	9.2 J	17 J	570000
Acenaphthylene	19 J	7.9 J	--
Anthracene	53	58	1.20E+07
Benzo(a)anthracene	350	310	900 / 1100 / 1800
Benzo(a)pyrene	430	310	90 / 1300 / 2100
Benzo(b)fluoranthene	620	450	900 / 1500 / 2100
Benzo(g,h,i)perylene	330	250	--
Benzo(k)fluoranthene	220	230	9000
Chrysene	390	360	88000
Dibenzo(a,h)anthracene	90	61	90 / 200 / 420
Di-N-Octyl phthalate	75 J	65 J	1600000
Fluoranthene	680	510	3100000
Fluorene	13 J	22 J	560000
Indeno(1,2,3-cd)pyrene	290	200	900 / 900 / 1600
Phenanthrene	200	380	--
Pyrene	630	940	2300000
Total Metals (mg/kg)			
Arsenic, Total	10 J-	8.9 J-	11.3/13.0
Barium, Total	130	86	1500
Beryllium, Total	0.76	0.64	22
Cadmium, Total	0.37	0.3	5.2
Calcium, Total	22000 J+	50000 J+	--
Chromium, Total	18	16	21
Cobalt, Total	12 J	7.5 J	20
Copper, Total	19	19	2900
Iron, Total	22000 J-	19000 J-	15000/15900
Lead, Total	44	35	107
Magnesium, Total	14000 J+	32000 J+	325000
Manganese, Total	960 J	500 J	630
Mercury, Total	0.046 J	0.033 J	0.89
Nickel, Total	20 J-	18 J-	100
Potassium, Total	2200 J+	2100 J+	--
Sodium, Total	140	130	--
Thallium, Total	1.7 J-	1 J-	2.6
Vanadium, Total	29	25	550
Zinc, Total	75 J-	77 J-	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.5	0.52	2
Copper, TCLP	0.055	ND	0.65
Manganese, TCLP	0.037	0.032	0.15
Zinc, TCLP	0.05 J	0.021 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.02 J	0.018 J	0.05
Barium, SPLP	0.45 J	0.4 J	2
Chromium, SPLP	0.056	0.048	0.1
Cobalt, SPLP	0.013 J	0.011 J	1
Copper, SPLP	0.059	0.063	0.65
Iron, SPLP	57	49	5
Lead, SPLP	0.053	0.026	0.0075
Manganese, SPLP	0.46	0.26	0.15
Nickel, SPLP	0.049	0.045	0.1
Zinc, SPLP	0.35 B	0.3 B	5

Summary Table of ISGS Site No. 2619V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-92467-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
2/27/2015 4:26:22 PM

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

Client Sample ID: R19-1(0-4)-021815
Date Collected: 02/18/15 11:05
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-9
Matrix: Solid
Percent Solids: 80.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		02/21/15 02:43	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		02/21/15 02:43	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/21/15 02:43	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		02/21/15 02:43	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		02/21/15 02:43	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		02/21/15 02:43	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		02/21/15 02:43	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		02/21/15 02:43	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		02/21/15 02:43	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		02/21/15 02:43	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		02/21/15 02:43	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		02/21/15 02:43	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		02/21/15 02:43	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/21/15 02:43	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		02/21/15 02:43	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/21/15 02:43	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/21/15 02:43	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		02/21/15 02:43	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		02/21/15 02:43	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		02/21/15 02:43	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		02/21/15 02:43	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		02/21/15 02:43	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		02/21/15 02:43	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		02/21/15 02:43	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		02/21/15 02:43	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		02/21/15 02:43	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		02/21/15 02:43	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		02/21/15 02:43	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		02/21/15 02:43	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		02/21/15 02:43	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		02/21/15 02:43	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/21/15 02:43	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		02/21/15 02:43	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/21/15 02:43	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		02/21/15 02:43	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		02/21/15 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*02/21/15 02:43*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*02/21/15 02:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*02/21/15 02:43*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*02/21/15 02:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: R19-1(0-4)-021815
Date Collected: 02/18/15 11:05
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-9
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Acenaphthene	**9.2**	**J**	40	7.3	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Acenaphthylene	**19**	**J**	40	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Anthracene	**53**		40	6.8	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Benzo[a]anthracene	**350**		40	5.4	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Benzo[a]pyrene	**430**		40	7.8	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Benzo[b]fluoranthene	**620**		40	8.7	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Benzo[g,h,i]perylene	**330**		40	13	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Benzo[k]fluoranthene	**220**		40	12	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Chrysene	**390**		40	11	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Dibenz(a,h)anthracene	**90**		40	7.8	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Di-n-octyl phthalate	**75**	**J**	200	66	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Fluoranthene	**680**		40	7.5	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Fluorene	**13**	**J**	40	5.7	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Hexachlorobenzene	<81		81	9.4	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: R19-1(0-4)-021815
Date Collected: 02/18/15 11:05
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-9
Matrix: Solid
Percent Solids: 80.8

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	290		40	10	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Isophorone	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Phenanthrene	200		40	5.6	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Phenol	<200		200	90	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1
Pyrene	630		40	8.0	ug/Kg	☼	02/23/15 07:10	02/24/15 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*35 - 137*	*02/23/15 07:10*	*02/24/15 19:52*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*02/23/15 07:10*	*02/24/15 19:52*	*1*
2-Fluorophenol	*43*		*25 - 110*	*02/23/15 07:10*	*02/24/15 19:52*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*02/23/15 07:10*	*02/24/15 19:52*	*1*
Phenol-d5	*52*		*31 - 110*	*02/23/15 07:10*	*02/24/15 19:52*	*1*
Terphenyl-d14	*69*		*36 - 134*	*02/23/15 07:10*	*02/24/15 19:52*	*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		02/26/15 09:40	02/27/15 05:03	1
Barium	0.50		0.50	0.050	mg/L		02/26/15 09:40	02/27/15 05:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 05:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 05:03	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:03	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:03	1
Copper	0.055		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:03	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 05:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 05:03	1
Manganese	0.037		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:03	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:03	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 05:03	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:03	1
Zinc	0.050	J	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		02/25/15 10:15	02/26/15 06:51	1
Barium	0.45	J	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 06:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 06:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 06:51	1
Chromium	0.056		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:51	1
Cobalt	0.013	J	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:51	1
Copper	0.059		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:51	1
Iron	57		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 06:51	1
Lead	0.053		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:08	1
Manganese	0.46		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:51	1
Nickel	0.049		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:51	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 06:51	1

Client Sample ID: R19-1(0-4)-021815
Date Collected: 02/18/15 11:05
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:51	1
Zinc	**0.35**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 06:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.69**	**J B**	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Arsenic	**10**		0.59	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Barium	**130**		0.59	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Beryllium	**0.76**		0.23	0.051	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Cadmium	**0.37**		0.12	0.034	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Calcium	**22000**		12	3.8	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Chromium	**18**		0.59	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Cobalt	**12**		0.29	0.066	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Copper	**19**		0.59	0.13	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Iron	**22000**		12	4.5	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Lead	**44**		0.29	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Magnesium	**14000**		5.9	2.4	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Manganese	**960**		0.59	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Nickel	**20**		0.59	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Potassium	**2200**		29	4.8	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Sodium	**140**		59	7.7	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Thallium	**1.7**		0.59	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Vanadium	**29**		0.29	0.086	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1
Zinc	**75**	**B**	1.2	0.37	mg/Kg	☼	02/22/15 18:41	02/23/15 22:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**46**		18	6.2	ug/Kg	☼	02/23/15 15:00	02/24/15 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.79**		0.200	0.200	SU			02/23/15 11:48	1

Client Sample ID: R19-2(0-4)-021815
Date Collected: 02/18/15 11:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-10
Matrix: Solid
Percent Solids: 81.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		02/21/15 03:07	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		02/21/15 03:07	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 03:07	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		02/21/15 03:07	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		02/21/15 03:07	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		02/21/15 03:07	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 03:07	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		02/21/15 03:07	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		02/21/15 03:07	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		02/21/15 03:07	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		02/21/15 03:07	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		02/21/15 03:07	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 03:07	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 03:07	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		02/21/15 03:07	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		02/21/15 03:07	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		02/21/15 03:07	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		02/21/15 03:07	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 03:07	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		02/21/15 03:07	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		02/21/15 03:07	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		02/21/15 03:07	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		02/21/15 03:07	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		02/21/15 03:07	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		02/21/15 03:07	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		02/21/15 03:07	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		02/21/15 03:07	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		02/21/15 03:07	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		02/21/15 03:07	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		02/21/15 03:07	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		02/21/15 03:07	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		02/21/15 03:07	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		02/21/15 03:07	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		02/21/15 03:07	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		02/21/15 03:07	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/21/15 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*02/21/15 03:07*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*02/21/15 03:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*02/21/15 03:07*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*02/21/15 03:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: R19-2(0-4)-021815
Date Collected: 02/18/15 11:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-10
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Acenaphthene	**17**	**J**	39	7.0	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Acenaphthylene	**7.9**	**J**	39	5.1	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Anthracene	**58**		39	6.5	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Benzo[a]anthracene	**310**		39	5.2	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Benzo[a]pyrene	**310**		39	7.5	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Benzo[b]fluoranthene	**450**		39	8.4	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Benzo[g,h,i]perylene	**250**		39	13	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Benzo[k]fluoranthene	**230**		39	11	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Chrysene	**360**		39	11	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Dibenz(a,h)anthracene	**61**		39	7.5	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Di-n-octyl phthalate	**65**	**J**	200	64	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Fluoranthene	**510**		39	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Fluorene	**22**	**J**	39	5.5	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Hexachloroethane	<200		200	59	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: R19-2(0-4)-021815
Date Collected: 02/18/15 11:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-10
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	200		39	10	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Isophorone	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Phenanthrene	380		39	5.4	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Phenol	<200		200	87	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1
Pyrene	940		39	7.7	ug/Kg	☼	02/23/15 07:10	02/24/15 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*35 - 137*	*02/23/15 07:10*	*02/24/15 20:10*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*02/23/15 07:10*	*02/24/15 20:10*	*1*
2-Fluorophenol	*46*		*25 - 110*	*02/23/15 07:10*	*02/24/15 20:10*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*02/23/15 07:10*	*02/24/15 20:10*	*1*
Phenol-d5	*52*		*31 - 110*	*02/23/15 07:10*	*02/24/15 20:10*	*1*
Terphenyl-d14	*120*		*36 - 134*	*02/23/15 07:10*	*02/24/15 20:10*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 05:10	1
Barium	0.52		0.50	0.050	mg/L		02/26/15 09:40	02/27/15 05:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 05:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 05:10	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:10	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:10	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:10	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 05:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 05:10	1
Manganese	0.032		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:10	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:10	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 05:10	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 05:10	1
Zinc	0.021	J	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 05:10	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		02/25/15 10:15	02/26/15 06:57	1
Barium	0.40	J	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 06:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 06:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 06:57	1
Chromium	0.048		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:57	1
Cobalt	0.011	J	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:57	1
Copper	0.063		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:57	1
Iron	49		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 06:57	1
Lead	0.026		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:12	1
Manganese	0.26		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:57	1
Nickel	0.045		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:57	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 06:57	1

Client Sample ID: R19-2(0-4)-021815
Date Collected: 02/18/15 11:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:57	1
Zinc	0.30	B	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 06:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J B	1.1	0.23	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Arsenic	8.9		0.56	0.26	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Barium	86		0.56	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Beryllium	0.64		0.22	0.049	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Cadmium	0.30		0.11	0.033	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Calcium	50000		11	3.6	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Chromium	16		0.56	0.097	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Cobalt	7.5		0.28	0.063	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Copper	19		0.56	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Iron	19000		11	4.3	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Lead	35		0.28	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Magnesium	32000		5.6	2.3	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Manganese	500		0.56	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Nickel	18		0.56	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Potassium	2100		28	4.6	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Sodium	130		56	7.4	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Thallium	1.0		0.56	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Vanadium	25		0.28	0.082	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1
Zinc	77	B	1.1	0.36	mg/Kg	☼	02/22/15 18:41	02/23/15 22:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	33		18	6.5	ug/Kg	☼	02/23/15 15:00	02/24/15 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.80		0.200	0.200	SU			02/23/15 11:52	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
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.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.53

500-92467 COC

(optional)

Report To
Contact: Sr Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle #202
Address: Mundelein, IL 60060
Phone:
Fax:
E-Mail: Babu.Babusukumar@westonsolutions.com

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference# 60rm

Chain of Custody Record

Lab Job #: 500-92467

Chain of Custody Number:

Page 1 of 6

Temperature °C of Cooler: 3.2, 2.8, 3.4

Client: Weston Solutions
Client Project #: 002
Project Name: IDOT - Route 34 - 002
Project Location/State: Naperville, IL
Lab Project #: 500010634
Sampler: D. Sena
Lab PM: R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	pH	VOCs	SVOCs	metals	TCLP/SPLP metals	pH				
1		VB-1 (0-4) -021815	2-18-15	9:30	2	SO		X	X	X	X	X					
2		VB-2 (0-4) -021815		9:50													
3		VB-2 (0-4) -021815D		9:50													
4		VB-3 (0-5) -021815		10:00													
5		VB-3 (5-10) -021815		10:05													
6		VB-3 (10-15) -021815		10:10													
7		VB-4 (0-4) -021815		10:30													
8		VB-5 (0-4) -021815		10:50													
9		R19-1 (0-4) -021815		11:05													
10		R19-2 (0-4) -021815	2-18-15	11:15	2	SO		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Stnd 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
David Sena	Weston	2-19-15	13:50		TA	2/19/15	1350
	TA	2/19/15	1500	Sherri Dotta-CRT		2/19/15	1500

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
Pre-made labels indicated site was in Winnetka, but IDOT 002 is in Naperville

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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

844 - 864 North Columbia Avenue (ISGS SITE No. 2619V-23)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.784596875 (Decimal Degrees) Longitude: -88.136796160 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.784596875 Longitude: -88.136796160

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 DR-1, DR-2, DR-4, DR-7, AND DR-8 WERE SAMPLED ADJACENT TO ISGS SITE No. 2619V-23 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: 500-92468-1 AND
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-118244-1
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Michael A Castillo

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017

Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 2619V-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	DR-1(0-4)-021915	DR-2(0-4)-021915	DR-4(0-4)-021915	DR-7(4-9)-100616	DR-7(9-15)-100616	DR-8(4-9)-100616	DR-8(9-15)-100616	**Soil Reference Concentrations[A]**
Sample Date	2/19/2015	2/19/2015	2/19/2015	10/6/2016	10/6/2016	10/6/2016	10/6/2016	
Location ID	DR-1	DR-2	DR-4	DR-7	DR-7	DR-8	DR-8	
Depth	0 - 4	0 - 4	0 - 4	4 - 9	9 - 15	4 - 9	9 - 15	
ISGS Site No.	2619V-23	2619V-23	2619V-23	2619V-23	2619V-23	2619V-23	2619V-23	
Parameter								
Laboratory pH (s.u.)	8.13	7.73	7.45	9.00	8.50	8.30	8.00	<6.25, >9.0
VOCs	**No Detections**							
SVOCs (ug/kg)								
Acenaphthene	ND	12 J	37 J	ND	ND	ND	ND	570000
Acenaphthylene	ND	20 J	35 J	ND	ND	ND	ND	---
Anthracene	13 J	68	160	9.7 J	ND	ND	ND	1.20E+07
Benzo(a)anthracene	62	280	760	55	6.4 J	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	61	310	810	64	ND	8.1 J	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	84	460	1200	100	ND	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	45	220	630	35 J	ND	ND	ND	---
Benzo(k)fluoranthene	37 J	170	420	38 J	ND	ND	ND	9000
Chrysene	68	330	890	64	ND	ND	26 J	88000
Dibenzo(a,h)anthracene	13 J	61	170	12 J	ND	ND	ND	90 / 200 / 420
Di-N-Octyl phthalate	ND	ND	200	ND	ND	ND	ND	1600000
Fluoranthene	140	690	1800	140	14 J	12 J	ND	3100000
Fluorene	ND	20 J	53	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	40 J	180	560	34 J	ND	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	11 J	ND	ND	ND	ND	1800
Phenanthrene	68	310	770	50	ND	ND	44	---
Pyrene	120	570	1400	100	11 J	14 J	17 J	2300000
Total Metals (mg/kg)								
Arsenic, Total	11 J+	7.4 J+	8.4 J+	7.2	8.2	11	7.7	11.3 / 13.0
Barium, Total	92	160	99	45	43	53	34	1500
Beryllium, Total	0.77	0.74	0.68	0.58	0.38	0.65	0.54	22
Cadmium, Total	0.25	0.12 J	0.22	0.13	0.22	0.2	0.11	5.2
Calcium, Total	33000 J	15000 J	39000 J	89000 B	32000 B	61000 B	77000 B	---
Chromium, Total	19	17	18	13 B	8.7 B	14 B	13 B	21
Cobalt, Total	11 J-	11 J-	10 J-	14	8.3	17	9.5	20
Copper, Total	25 J-	14 J-	24 J-	19	16	24	23	2900
Iron, Total	24000 J	18000 J	21000 J	17000 B	14000 B	28000 B	18000 B	15000 / 15900
Lead, Total	22 J	21 J	33 J	16	12	16	14	107
Magnesium, Total	21000 J	9800 J	22000 J	39000	23000	25000	31000	325000
Manganese, Total	590 J	1100 J	540 J	370	410	360	280	630
Mercury, Total	0.04	0.03	0.027	0.024	0.025	0.032	0.027	0.89
Nickel, Total	26 J-	15 J-	23 J-	30	22	41	27	100
Potassium, Total	3000 J+	2000 J+	2700 J+	1800	810	1400	1800	---
Sodium, Total	630	390	600	530	460	1200	440	---
Thallium, Total	1.5	1.8	0.97	0.24 J	0.52 J	0.42 J	0.43 J	2.6
Vanadium, Total	29	31	24	16	16	18	15	550
Zinc, Total	98 J+	57 J+	54 J+	53	61	66	56	5100

Summary Table of ISGS Site No. 2619V-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	DR-1(0-4)-021915	DR-2(0-4)-021915	DR-4(0-4)-021915	DR-7(4-9)-100616	DR-7(9-15)-100616	DR-8(4-9)-100616	DR-8(9-15)-100616	**Soil Reference Concentrations[A]**
Sample Date	2/19/2015	2/19/2015	2/19/2015	10/6/2016	10/6/2016	10/6/2016	10/6/2016	
Location ID	DR-1	DR-2	DR-4	DR-7	DR-7	DR-8	DR-8	
Depth	0 - 4	0 - 4	0 - 4	4 - 9	9 - 15	4 - 9	9 - 15	
ISGS Site No.	2619V-23	2619V-23	2619V-23	2619V-23	2619V-23	2619V-23	2619V-23	
Parameter								
TCLP Metals (mg/l)								
Barium, TCLP	0.59	0.61	0.65	0.41 J	0.33 J	0.31 J	0.29 J	2
Cadmium, TCLP	ND	ND	ND	0.002 J	ND	0.0027 J	ND	0.005
Cobalt, TCLP	ND	ND	ND	0.033	ND	0.053	ND	1
Copper, TCLP	ND	ND	0.065	0.059	0.086	0.013 J	ND	0.65
Iron, TCLP	ND	ND	ND	ND	0.2 J	ND	0.52	5
Manganese, TCLP	0.29	0.13	0.017 J	4.7	0.15	5.6	1.1	0.15
Nickel, TCLP	ND	ND	ND	0.035	ND	0.047	0.012 J	0.1
Zinc, TCLP	0.044 J	0.03 J	0.065 J	0.03 J	0.046 J	ND	ND	5
SPLP Metals (mg/l)								
Arsenic, SPLP	0.057	0.017 J	0.061	0.076	0.057	0.082	0.056	0.05
Barium, SPLP	0.65	0.33 J	0.5	0.6	0.36 J	0.49 J	0.25 J	2
Beryllium, SPLP	0.006	ND	0.0047	0.0082	0.004	0.0074	0.0042	0.004
Cadmium, SPLP	ND	ND	ND	0.0024 J	ND	0.0023 J	ND	0.005
Chromium, SPLP	0.15	0.05	0.1	0.17	0.1	0.16	0.09	0.1
Cobalt, SPLP	0.031	ND	0.033	0.068	0.026	0.085	0.032	1
Copper, SPLP	0.16	0.046	0.14	0.24	0.13	0.28	0.22	0.65
Iron, SPLP	160 J+	44 J+	120 J+	190 J+	140 J+	210 J+	120 J+	5
Lead, SPLP	0.065	0.03	0.13	0.11	0.028	0.087	0.05	0.0075
Manganese, SPLP	1.2	0.52	0.66	1	0.86	1.4	0.47	0.15
Nickel, SPLP	0.14	0.034	0.11	0.25	0.11	0.26	0.13	0.1
Zinc, SPLP	0.47 B	ND	0.33 B	0.47 J	0.47 J	0.48 J	0.37 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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: 500-92468-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
3/2/2015 2:57:20 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-1(0-4)-021915
Date Collected: 02/19/15 09:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-17
Matrix: Solid
Percent Solids: 76.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.6		6.6	2.8	ug/Kg	☼		02/24/15 05:20	1
Benzene	<6.6		6.6	0.90	ug/Kg	☼		02/24/15 05:20	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg	☼		02/24/15 05:20	1
Bromoform	<6.6		6.6	1.5	ug/Kg	☼		02/24/15 05:20	1
Bromomethane	<6.6		6.6	2.0	ug/Kg	☼		02/24/15 05:20	1
Carbon disulfide	<6.6		6.6	0.98	ug/Kg	☼		02/24/15 05:20	1
Carbon tetrachloride	<6.6		6.6	1.2	ug/Kg	☼		02/24/15 05:20	1
Chlorobenzene	<6.6		6.6	0.66	ug/Kg	☼		02/24/15 05:20	1
Chloroethane	<6.6		6.6	1.8	ug/Kg	☼		02/24/15 05:20	1
Chloroform	<6.6		6.6	0.75	ug/Kg	☼		02/24/15 05:20	1
Chloromethane	<6.6		6.6	1.4	ug/Kg	☼		02/24/15 05:20	1
cis-1,2-Dichloroethene	<6.6		6.6	0.93	ug/Kg	☼		02/24/15 05:20	1
cis-1,3-Dichloropropene	<6.6		6.6	0.86	ug/Kg	☼		02/24/15 05:20	1
Dibromochloromethane	<6.6		6.6	1.1	ug/Kg	☼		02/24/15 05:20	1
1,1-Dichloroethane	<6.6		6.6	1.0	ug/Kg	☼		02/24/15 05:20	1
1,2-Dichloroethane	<6.6		6.6	0.97	ug/Kg	☼		02/24/15 05:20	1
1,1-Dichloroethene	<6.6		6.6	1.1	ug/Kg	☼		02/24/15 05:20	1
1,2-Dichloropropane	<6.6		6.6	1.0	ug/Kg	☼		02/24/15 05:20	1
1,3-Dichloropropene, Total	<6.6		6.6	0.86	ug/Kg	☼		02/24/15 05:20	1
Ethylbenzene	<6.6		6.6	1.3	ug/Kg	☼		02/24/15 05:20	1
2-Hexanone	<6.6		6.6	1.9	ug/Kg	☼		02/24/15 05:20	1
Methylene Chloride	<6.6		6.6	1.8	ug/Kg	☼		02/24/15 05:20	1
Methyl Ethyl Ketone	<6.6		6.6	2.4	ug/Kg	☼		02/24/15 05:20	1
methyl isobutyl ketone	<6.6		6.6	1.7	ug/Kg	☼		02/24/15 05:20	1
Methyl tert-butyl ether	<6.6		6.6	1.1	ug/Kg	☼		02/24/15 05:20	1
Styrene	<6.6		6.6	0.86	ug/Kg	☼		02/24/15 05:20	1
1,1,2,2-Tetrachloroethane	<6.6		6.6	1.3	ug/Kg	☼		02/24/15 05:20	1
Tetrachloroethene	<6.6		6.6	1.0	ug/Kg	☼		02/24/15 05:20	1
Toluene	<6.6		6.6	0.92	ug/Kg	☼		02/24/15 05:20	1
trans-1,2-Dichloroethene	<6.6		6.6	0.90	ug/Kg	☼		02/24/15 05:20	1
trans-1,3-Dichloropropene	<6.6		6.6	1.2	ug/Kg	☼		02/24/15 05:20	1
1,1,1-Trichloroethane	<6.6		6.6	0.98	ug/Kg	☼		02/24/15 05:20	1
1,1,2-Trichloroethane	<6.6		6.6	0.89	ug/Kg	☼		02/24/15 05:20	1
Trichloroethene	<6.6		6.6	1.1	ug/Kg	☼		02/24/15 05:20	1
Vinyl chloride	<6.6		6.6	1.4	ug/Kg	☼		02/24/15 05:20	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		02/24/15 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*02/24/15 05:20*	*1*
Dibromofluoromethane	*86*		*75 - 120*		*02/24/15 05:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*02/24/15 05:20*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*02/24/15 05:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	46	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
1,4-Dichlorobenzene	<210		210	55	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-1(0-4)-021915
Date Collected: 02/19/15 09:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-17
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	97	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2,4-Dinitrophenol	<860		860	750	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2,4-Dinitrotoluene	<210		210	68	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2,6-Dinitrotoluene	<210		210	84	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2-Chlorophenol	<210		210	73	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2-Methylnaphthalene	<42		42	7.8	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2-Methylphenol	<210		210	68	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
3,3'-Dichlorobenzidine	<210		210	60	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
4,6-Dinitro-2-methylphenol	<420		420	340	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
4-Chloro-3-methylphenol	<420		420	150	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
4-Chloroaniline	<860		860	200	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
4-Chlorophenyl phenyl ether	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
4-Nitrophenol	<860		860	410	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Acenaphthene	<42		42	7.7	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Acenaphthylene	<42		42	5.6	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Anthracene	**13**	**J**	42	7.1	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Benzo[a]anthracene	**62**		42	5.7	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Benzo[a]pyrene	**61**		42	8.3	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Benzo[b]fluoranthene	**84**		42	9.2	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Benzo[g,h,i]perylene	**45**		42	14	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Benzo[k]fluoranthene	**37**	**J**	42	13	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Bis(2-chloroethoxy)methane	<210		210	44	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Bis(2-chloroethyl)ether	<210		210	64	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Bis(2-ethylhexyl) phthalate	<210		210	78	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Carbazole	<210		210	110	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Chrysene	**68**		42	12	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Dibenz(a,h)anthracene	**13**	**J**	42	8.2	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Dibenzofuran	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Dimethyl phthalate	<210		210	56	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Di-n-butyl phthalate	<210		210	65	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Di-n-octyl phthalate	<210		210	70	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Fluoranthene	**140**		42	7.9	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Fluorene	<42		42	6.0	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Hexachlorobenzene	<86		86	9.9	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Hexachlorobutadiene	<210		210	67	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Hexachlorocyclopentadiene	<860		860	250	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Hexachloroethane	<210		210	65	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-1(0-4)-021915
Date Collected: 02/19/15 09:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-17
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	40	J	42	11	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Isophorone	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Naphthalene	<42		42	6.6	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Nitrobenzene	<42		42	11	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
N-Nitrosodi-n-propylamine	<210		210	52	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Pentachlorophenol	<860		860	680	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Phenanthrene	68		42	5.9	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Phenol	<210		210	95	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1
Pyrene	120		42	8.5	ug/Kg	☼	02/23/15 07:18	02/24/15 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*02/23/15 07:18*	*02/24/15 02:40*	*1*
2-Fluorobiphenyl	*65*		*25 - 119*	*02/23/15 07:18*	*02/24/15 02:40*	*1*
2-Fluorophenol	*63*		*25 - 110*	*02/23/15 07:18*	*02/24/15 02:40*	*1*
Nitrobenzene-d5	*64*		*25 - 115*	*02/23/15 07:18*	*02/24/15 02:40*	*1*
Phenol-d5	*65*		*31 - 110*	*02/23/15 07:18*	*02/24/15 02:40*	*1*
Terphenyl-d14	*80*		*36 - 134*	*02/23/15 07:18*	*02/24/15 02:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 09:20	02/27/15 21:38	1
Barium	0.59		0.50	0.050	mg/L		02/27/15 09:20	02/27/15 21:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 21:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 21:38	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:38	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:38	1
Copper	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:38	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 21:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 21:38	1
Manganese	0.29		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:38	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:38	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 21:38	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:38	1
Zinc	0.044	J	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 21:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057		0.050	0.010	mg/L		02/26/15 10:20	02/27/15 02:57	1
Barium	0.65		0.50	0.050	mg/L		02/26/15 10:20	02/27/15 02:57	1
Beryllium	0.0060		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 02:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 02:57	1
Chromium	0.15		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 02:57	1
Cobalt	0.031		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 02:57	1
Copper	0.16		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 02:57	1
Iron	160		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 02:57	1
Lead	0.065		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 02:57	1
Manganese	1.2		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 02:57	1
Nickel	0.14		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 02:57	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 02:57	1

Client Sample ID: DR-1(0-4)-021915
Date Collected: 02/19/15 09:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 02:57	1
Zinc	**0.47**	**B**	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 02:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.72**	**J B**	1.3	0.27	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Arsenic	**11**		0.64	0.30	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Barium	**92**		0.64	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Beryllium	**0.77**		0.26	0.056	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Cadmium	**0.25**		0.13	0.037	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Calcium	**33000**		13	4.1	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Chromium	**19**		0.64	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Cobalt	**11**		0.32	0.073	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Copper	**25**		0.64	0.14	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Iron	**24000**		13	5.0	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Lead	**22**		0.32	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Magnesium	**21000**		6.4	2.6	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Manganese	**590**		0.64	0.13	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Nickel	**26**		0.64	0.17	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Potassium	**3000**		32	5.3	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Selenium	<0.64		0.64	0.32	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Silver	<0.32		0.32	0.075	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Sodium	**630**		64	8.5	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Thallium	**1.5**		0.64	0.32	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Vanadium	**29**		0.32	0.094	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1
Zinc	**98**	**B**	1.3	0.41	mg/Kg	☼	02/22/15 18:41	02/24/15 05:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 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	**40**		21	7.5	ug/Kg	☼	02/23/15 15:00	02/24/15 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.13**		0.200	0.200	SU			02/23/15 14:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-2(0-4)-021915
Date Collected: 02/19/15 09:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-18
Matrix: Solid
Percent Solids: 76.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.5		6.5	2.8	ug/Kg	☼		02/24/15 05:45	1
Benzene	<6.5		6.5	0.89	ug/Kg	☼		02/24/15 05:45	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		02/24/15 05:45	1
Bromoform	<6.5		6.5	1.5	ug/Kg	☼		02/24/15 05:45	1
Bromomethane	<6.5		6.5	2.0	ug/Kg	☼		02/24/15 05:45	1
Carbon disulfide	<6.5		6.5	0.98	ug/Kg	☼		02/24/15 05:45	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	☼		02/24/15 05:45	1
Chlorobenzene	<6.5		6.5	0.66	ug/Kg	☼		02/24/15 05:45	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	☼		02/24/15 05:45	1
Chloroform	<6.5		6.5	0.75	ug/Kg	☼		02/24/15 05:45	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	☼		02/24/15 05:45	1
cis-1,2-Dichloroethene	<6.5		6.5	0.92	ug/Kg	☼		02/24/15 05:45	1
cis-1,3-Dichloropropene	<6.5		6.5	0.86	ug/Kg	☼		02/24/15 05:45	1
Dibromochloromethane	<6.5		6.5	1.1	ug/Kg	☼		02/24/15 05:45	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	☼		02/24/15 05:45	1
1,2-Dichloroethane	<6.5		6.5	0.97	ug/Kg	☼		02/24/15 05:45	1
1,1-Dichloroethene	<6.5		6.5	1.1	ug/Kg	☼		02/24/15 05:45	1
1,2-Dichloropropane	<6.5		6.5	0.99	ug/Kg	☼		02/24/15 05:45	1
1,3-Dichloropropene, Total	<6.5		6.5	0.86	ug/Kg	☼		02/24/15 05:45	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	☼		02/24/15 05:45	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	☼		02/24/15 05:45	1
Methylene Chloride	<6.5		6.5	1.8	ug/Kg	☼		02/24/15 05:45	1
Methyl Ethyl Ketone	<6.5		6.5	2.4	ug/Kg	☼		02/24/15 05:45	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	☼		02/24/15 05:45	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	☼		02/24/15 05:45	1
Styrene	<6.5		6.5	0.86	ug/Kg	☼		02/24/15 05:45	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	☼		02/24/15 05:45	1
Tetrachloroethene	<6.5		6.5	1.0	ug/Kg	☼		02/24/15 05:45	1
Toluene	<6.5		6.5	0.91	ug/Kg	☼		02/24/15 05:45	1
trans-1,2-Dichloroethene	<6.5		6.5	0.90	ug/Kg	☼		02/24/15 05:45	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	☼		02/24/15 05:45	1
1,1,1-Trichloroethane	<6.5		6.5	0.98	ug/Kg	☼		02/24/15 05:45	1
1,1,2-Trichloroethane	<6.5		6.5	0.89	ug/Kg	☼		02/24/15 05:45	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	☼		02/24/15 05:45	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	☼		02/24/15 05:45	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		02/24/15 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*02/24/15 05:45*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*02/24/15 05:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*02/24/15 05:45*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*02/24/15 05:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	46	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
1,4-Dichlorobenzene	<210		210	55	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-2(0-4)-021915
Date Collected: 02/19/15 09:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-18
Matrix: Solid
Percent Solids: 76.6

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	97	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2,4-Dinitrophenol	<860		860	750	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2,4-Dinitrotoluene	<210		210	68	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2,6-Dinitrotoluene	<210		210	84	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2-Chlorophenol	<210		210	73	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2-Methylnaphthalene	<42		42	7.8	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2-Methylphenol	<210		210	68	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
3,3'-Dichlorobenzidine	<210		210	60	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
4,6-Dinitro-2-methylphenol	<420		420	340	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
4-Chloroaniline	<860		860	200	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
4-Chlorophenyl phenyl ether	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
4-Nitrophenol	<860		860	410	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Acenaphthene	**12**	**J**	42	7.7	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Acenaphthylene	**20**	**J**	42	5.6	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Anthracene	**68**		42	7.1	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Benzo[a]anthracene	**280**		42	5.7	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Benzo[a]pyrene	**310**		42	8.2	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Benzo[b]fluoranthene	**460**		42	9.2	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Benzo[g,h,i]perylene	**220**		42	14	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Benzo[k]fluoranthene	**170**		42	13	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Bis(2-chloroethyl)ether	<210		210	64	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Bis(2-ethylhexyl) phthalate	<210		210	78	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Carbazole	<210		210	110	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Chrysene	**330**		42	12	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Dibenz(a,h)anthracene	**61**		42	8.2	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Dibenzofuran	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Dimethyl phthalate	<210		210	56	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Di-n-butyl phthalate	<210		210	65	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Fluoranthene	**690**		42	7.9	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Fluorene	**20**	**J**	42	6.0	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Hexachlorobenzene	<86		86	9.9	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Hexachlorobutadiene	<210		210	67	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Hexachlorocyclopentadiene	<860		860	240	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Hexachloroethane	<210		210	65	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-2(0-4)-021915
Date Collected: 02/19/15 09:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-18
Matrix: Solid
Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	180		42	11	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Isophorone	<210		210	48	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Naphthalene	<42		42	6.6	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Nitrobenzene	<42		42	11	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
N-Nitrosodi-n-propylamine	<210		210	52	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Pentachlorophenol	<860		860	680	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Phenanthrene	310		42	5.9	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Phenol	<210		210	95	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1
Pyrene	570		42	8.5	ug/Kg	☼	02/23/15 07:18	02/24/15 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 137*	*02/23/15 07:18*	*02/24/15 15:55*	*1*
2-Fluorobiphenyl	*69*		*25 - 119*	*02/23/15 07:18*	*02/24/15 15:55*	*1*
2-Fluorophenol	*62*		*25 - 110*	*02/23/15 07:18*	*02/24/15 15:55*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*02/23/15 07:18*	*02/24/15 15:55*	*1*
Phenol-d5	*66*		*31 - 110*	*02/23/15 07:18*	*02/24/15 15:55*	*1*
Terphenyl-d14	*78*		*36 - 134*	*02/23/15 07:18*	*02/24/15 15:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 09:20	02/27/15 21:45	1
Barium	0.61		0.50	0.050	mg/L		02/27/15 09:20	02/27/15 21:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 21:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 21:45	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:45	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:45	1
Copper	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:45	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 21:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 21:45	1
Manganese	0.13		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:45	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:45	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 21:45	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:45	1
Zinc	0.030	J	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		02/26/15 10:20	02/27/15 03:04	1
Barium	0.33	J	0.50	0.050	mg/L		02/26/15 10:20	02/27/15 03:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 03:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 03:04	1
Chromium	0.050		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:04	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:04	1
Copper	0.046		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:04	1
Iron	44		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 03:04	1
Lead	0.030		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 03:04	1
Manganese	0.52		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:04	1
Nickel	0.034		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:04	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 03:04	1

Client Sample ID: DR-2(0-4)-021915
Date Collected: 02/19/15 09:15
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:04	1
Zinc	0.19	B	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 03:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J B	1.3	0.27	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Arsenic	7.4		0.64	0.30	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Barium	160		0.64	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Beryllium	0.74		0.26	0.056	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Cadmium	0.12	J	0.13	0.037	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Calcium	15000		13	4.2	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Chromium	17		0.64	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Cobalt	11		0.32	0.073	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Copper	14		0.64	0.14	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Iron	18000		13	5.0	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Lead	21		0.32	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Magnesium	9800		6.4	2.6	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Manganese	1100		0.64	0.13	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Nickel	15		0.64	0.17	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Potassium	2000		32	5.3	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Selenium	<0.64		0.64	0.32	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Silver	<0.32		0.32	0.075	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Sodium	390		64	8.5	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Thallium	1.8		0.64	0.32	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Vanadium	31		0.32	0.094	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1
Zinc	57	B	1.3	0.41	mg/Kg	☼	02/22/15 18:41	02/24/15 05:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		20	6.9	ug/Kg	☼	02/23/15 15:00	02/24/15 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.73		0.200	0.200	SU			02/23/15 14:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-4(0-4)-021915
Date Collected: 02/19/15 09:45
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-20
Matrix: Solid
Percent Solids: 80.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		02/25/15 14:27	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		02/25/15 14:27	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/25/15 14:27	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		02/25/15 14:27	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		02/25/15 14:27	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		02/25/15 14:27	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		02/25/15 14:27	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		02/25/15 14:27	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		02/25/15 14:27	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		02/25/15 14:27	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		02/25/15 14:27	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		02/25/15 14:27	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		02/25/15 14:27	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/25/15 14:27	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		02/25/15 14:27	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/25/15 14:27	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/25/15 14:27	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		02/25/15 14:27	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		02/25/15 14:27	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		02/25/15 14:27	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		02/25/15 14:27	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		02/25/15 14:27	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		02/25/15 14:27	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		02/25/15 14:27	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		02/25/15 14:27	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		02/25/15 14:27	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		02/25/15 14:27	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		02/25/15 14:27	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		02/25/15 14:27	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		02/25/15 14:27	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		02/25/15 14:27	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/25/15 14:27	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		02/25/15 14:27	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/25/15 14:27	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		02/25/15 14:27	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		02/25/15 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*02/25/15 14:27*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*02/25/15 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*02/25/15 14:27*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*02/25/15 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	<200		200	43	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-4(0-4)-021915
Date Collected: 02/19/15 09:45
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-20
Matrix: Solid
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2-Methylnaphthalene	<40		40	7.3	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Acenaphthene	**37**	**J**	40	7.2	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Acenaphthylene	**35**	**J**	40	5.3	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Anthracene	**160**		40	6.7	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Benzo[a]anthracene	**760**		40	5.4	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Benzo[a]pyrene	**810**		40	7.7	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Benzo[b]fluoranthene	**1200**		40	8.6	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Benzo[g,h,i]perylene	**630**		40	13	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Benzo[k]fluoranthene	**420**		40	12	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Chrysene	**890**		40	11	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Dibenz(a,h)anthracene	**170**		40	7.7	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Di-n-octyl phthalate	**200**		200	65	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Fluoranthene	**1800**		40	7.4	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Fluorene	**53**		40	5.6	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Client Sample ID: DR-4(0-4)-021915
Date Collected: 02/19/15 09:45
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-20
Matrix: Solid
Percent Solids: 80.9

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	560		40	10	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Isophorone	<200		200	45	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Naphthalene	11	J	40	6.1	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Phenanthrene	770		40	5.6	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Phenol	<200		200	89	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1
Pyrene	1400		40	7.9	ug/Kg	☼	02/23/15 07:18	02/24/15 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*35 - 137*	*02/23/15 07:18*	*02/24/15 16:32*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*02/23/15 07:18*	*02/24/15 16:32*	*1*
2-Fluorophenol	*62*		*25 - 110*	*02/23/15 07:18*	*02/24/15 16:32*	*1*
Nitrobenzene-d5	*57*		*25 - 115*	*02/23/15 07:18*	*02/24/15 16:32*	*1*
Phenol-d5	*66*		*31 - 110*	*02/23/15 07:18*	*02/24/15 16:32*	*1*
Terphenyl-d14	*79*		*36 - 134*	*02/23/15 07:18*	*02/24/15 16:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 09:20	02/27/15 21:57	1
Barium	0.65		0.50	0.050	mg/L		02/27/15 09:20	02/27/15 21:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 09:20	02/27/15 21:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 09:20	02/27/15 21:57	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:57	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:57	1
Copper	0.065		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:57	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 09:20	02/27/15 21:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 09:20	02/27/15 21:57	1
Manganese	0.017	J	0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:57	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:57	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 09:20	02/27/15 21:57	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 09:20	02/27/15 21:57	1
Zinc	0.065	J	0.10	0.020	mg/L		02/27/15 09:20	02/27/15 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.061		0.050	0.010	mg/L		02/26/15 10:20	02/27/15 03:16	1
Barium	0.50		0.50	0.050	mg/L		02/26/15 10:20	02/27/15 03:16	1
Beryllium	0.0047		0.0040	0.0040	mg/L		02/26/15 10:20	02/27/15 03:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 10:20	02/27/15 03:16	1
Chromium	0.10		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:16	1
Cobalt	0.033		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:16	1
Copper	0.14		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:16	1
Iron	120		0.20	0.20	mg/L		02/26/15 10:20	02/27/15 03:16	1
Lead	0.13		0.0075	0.0075	mg/L		02/26/15 10:20	02/27/15 03:16	1
Manganese	0.66		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:16	1
Nickel	0.11		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:16	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 10:20	02/27/15 03:16	1

Client Sample ID: DR-4(0-4)-021915
Date Collected: 02/19/15 09:45
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92468-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/26/15 10:20	02/27/15 03:16	1
Zinc	**0.33**	**B**	0.10	0.020	mg/L		02/26/15 10:20	02/27/15 03:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.55**	**J B**	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Arsenic	**8.4**		0.58	0.27	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Barium	**99**		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Beryllium	**0.68**		0.23	0.050	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Cadmium	**0.22**		0.12	0.034	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Calcium	**39000**		12	3.8	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Chromium	**18**		0.58	0.10	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Cobalt	**10**		0.29	0.066	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Copper	**24**		0.58	0.13	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Iron	**21000**		12	4.5	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Lead	**33**		0.29	0.15	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Magnesium	**22000**		5.8	2.4	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Manganese	**540**		0.58	0.12	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Nickel	**23**		0.58	0.16	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Potassium	**2700**		29	4.8	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Sodium	**600**		58	7.7	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Thallium	**0.97**		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Vanadium	**24**		0.29	0.085	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1
Zinc	**54**	**B**	1.2	0.37	mg/Kg	☼	02/22/15 18:41	02/24/15 05:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		20	6.9	ug/Kg	☼	02/23/15 15:00	02/24/15 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.45**		0.200	0.200	SU			02/23/15 15:00	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.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
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.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92468-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-92468 COC

Chain of Custody Record

Lab Job #: 500-92468

Chain of Custody Number:

Page 3 of 6

Temperature °C of Cooler: (3.2)(2.8)(3.4)

(optional) Report To	(optional) Bill To
Contact: S. Babasunkumar	Contact:
Company: Weston Solutions	Company:
Address: 300 Plaza Circle #202	Address:
Address: Mundelein, IL 60060	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Babu.Babasunkumar@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions	002
Project Name	
IDOT-US Route 34-002	
Project Location/State	Lab Project #
Naperville, IL	50010634
Sampler	Lab PM
D. Sena	R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Metals	TCL/Spec Metals	pH	Comments
							7	VOCs	SVOCs	Metals	TCL/Spec Metals	pH	
1		SA-4(0-4)-021815	2-18-15	13:30	2	SO		X	X	X	X	X	
2		TC-1(0-4)-021815		14:10									
3		TC-2(0-4)-021815		14:30									
4		TC-3(0-4)-021815		14:40									
5		CC-1(0-4)-021815		14:50									
6		CC-2(0-5)-021815		15:15									
7		CC-2(5-10)-021815		15:20									
8		CC-2(10-15)-021815		15:25									
9		CC-3(0-4)-021815		15:50									
10		CC-4(0-4)-021815	2-18-15	16:00	2	SO		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
David Sena	Weston	2-19-15	13:50		TA	2/19/15	1358
	TA	2/19/15	1500		TA-CHI	2/19/15	1500

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-580-(1209)

3/2/2015

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 Solutions
Address: 300 Plaza Circle #202
Address: Mundelein, IL 60060
Phone:
Fax:
E-Mail: Babu.Babusukumar@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-92468
Chain of Custody Number:
Page 4 of 6
Temperature °C of Cooler:

Client	Client Project #	Preservative	7	7	7	7	7					
Weston Solutions	002											
Project Name		Parameter										
IDOT - US Route 34-002			VOCs	SVOCs	Metals	TCLP Metals	pH					
Project Location/State	Lab Project #											
Naperville, IL	500106034											
Sampler	Lab PM											
D. Serna	K. 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	Comments
11		ER-1(0-4)-021815	2-18-15	1615	2	SO	
12		ER-1(0-4)-021815D	2-18-15	1615			
13		TH-1(0-4)-021915	2-19-15	8:00			
14		TH-2(0-4)-021915	2-19-15	8:15			
15		TH-3(0-4)-021915	2-19-15	8:30			
16		TH-4(0-4)-021915	2-19-15	8:45			
17		DR-1(0-4)-021915	2-19-15	9:00			
18		DR-2(0-4)-021915	2-19-15	9:15			
19		DR-3(0-4)-021915	2-19-15	9:30			
20		DR-4(0-4)-021915	2-19-15	9:45	2	SO	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Strict 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
1	David Serna	Weston	2-19-15	13:50		TA	2/19/15	1350
2		TA	2/19/15	1500		TA-CAL	2/19/15	1500
3								

Lab Courier: X TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-92468-1

Login Number: 92468

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2,2.8,3.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-118244-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/17/2016 4:06:53 PM

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

Client Sample ID: DR-8(4-9)-100616
Date Collected: 10/06/16 09:50
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-4
Matrix: Solid
Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	3.0	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Benzene	<3.9		3.9	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Bromodichloromethane	<3.9		3.9	0.65	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Bromoform	<3.9		3.9	0.79	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Bromomethane	<3.9		3.9	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Carbon disulfide	<3.9		3.9	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Carbon tetrachloride	<3.9		3.9	0.83	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Chlorobenzene	<3.9		3.9	0.91	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Chloroethane	<3.9		3.9	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Chloroform	<3.9		3.9	0.75	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Chloromethane	<3.9		3.9	0.93	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
cis-1,2-Dichloroethene	<3.9		3.9	0.79	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
cis-1,3-Dichloropropene	<3.9		3.9	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Dibromochloromethane	<3.9		3.9	0.44	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
1,1-Dichloroethane	<3.9		3.9	0.79	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
1,2-Dichloroethane	<3.9		3.9	0.57	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
1,1-Dichloroethene	<3.9		3.9	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
1,2-Dichloropropane	<3.9		3.9	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
1,3-Dichloropropene, Total	<3.9		3.9	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Ethylbenzene	<3.9		3.9	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Methylene Chloride	<3.9		3.9	2.9	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Methyl Ethyl Ketone	<3.9		3.9	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
methyl isobutyl ketone	<3.9		3.9	0.79	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Methyl tert-butyl ether	<3.9		3.9	0.91	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Styrene	<3.9		3.9	0.90	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
1,1,2,2-Tetrachloroethane	<3.9		3.9	0.61	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Tetrachloroethene	<3.9		3.9	0.80	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Toluene	<3.9		3.9	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
trans-1,2-Dichloroethene	<3.9		3.9	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
trans-1,3-Dichloropropene	<3.9		3.9	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
1,1,1-Trichloroethane	<3.9		3.9	0.89	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
1,1,2-Trichloroethane	<3.9		3.9	0.75	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Trichloroethene	<3.9		3.9	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Vinyl chloride	<3.9		3.9	0.92	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1
Xylenes, Total	<7.7		7.7	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 120*	*10/06/16 17:20*	*10/12/16 17:25*	*1*
Dibromofluoromethane	*108*		*75 - 120*	*10/06/16 17:20*	*10/12/16 17:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*69 - 134*	*10/06/16 17:20*	*10/12/16 17:25*	*1*
Toluene-d8 (Surr)	*105*		*75 - 123*	*10/06/16 17:20*	*10/12/16 17:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1

Client Sample ID: DR-8(4-9)-100616
Date Collected: 10/06/16 09:50
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-4
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Benzo[a]pyrene	**8.1**	**J**	39	7.6	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Carbazole	<200		200	98	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Chrysene	<39		39	11	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Fluoranthene	**12**	**J**	39	7.2	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Hexachloroethane	<200		200	59	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1

Client Sample ID: DR-8(4-9)-100616
Date Collected: 10/06/16 09:50
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-4
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Isophorone	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Naphthalene	<39		39	6.0	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Phenol	<200		200	87	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1
Pyrene	**14**	**J**	39	7.8	ug/Kg	☼	10/07/16 07:24	10/08/16 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*25 - 130*	*10/07/16 07:24*	*10/08/16 04:23*	*1*
2-Fluorobiphenyl	*93*		*42 - 115*	*10/07/16 07:24*	*10/08/16 04:23*	*1*
2-Fluorophenol	*89*		*40 - 130*	*10/07/16 07:24*	*10/08/16 04:23*	*1*
Nitrobenzene-d5	*83*		*33 - 124*	*10/07/16 07:24*	*10/08/16 04:23*	*1*
Phenol-d5	*73*		*36 - 123*	*10/07/16 07:24*	*10/08/16 04:23*	*1*
Terphenyl-d14	*144*		*25 - 150*	*10/07/16 07:24*	*10/08/16 04:23*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 03:30	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 03:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 03:30	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 03:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:30	1
Cobalt	**0.053**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:30	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:30	1
Iron	<0.40		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 03:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 03:30	1
Manganese	**5.6**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:30	1
Nickel	**0.047**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 03:30	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:30	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.082**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:00	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:00	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:00	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:00	1
Chromium	**0.16**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:00	1
Cobalt	**0.085**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:00	1
Copper	**0.28**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:00	1
Iron	**210**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:00	1
Lead	**0.087**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:00	1
Manganese	**1.4**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:00	1
Nickel	**0.26**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:00	1

Client Sample ID: DR-8(4-9)-100616
Date Collected: 10/06/16 09:50
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-4
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:00	1
Zinc	**0.48**	**J**	0.50	0.020	mg/L		10/14/16 14:15	10/17/16 14:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.95		0.95	0.20	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Arsenic	**11**		0.47	0.22	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Barium	**53**		0.47	0.087	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Beryllium	**0.65**		0.19	0.041	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Cadmium	**0.20**		0.095	0.027	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Calcium	**61000**	**B**	95	31	mg/Kg	☼	10/13/16 08:27	10/14/16 20:06	10
Chromium	**14**	**B**	0.47	0.082	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Cobalt	**17**		0.24	0.054	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Copper	**24**		0.47	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Iron	**28000**	**B**	9.5	3.7	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Lead	**16**		0.24	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Magnesium	**25000**		4.7	1.9	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Manganese	**360**		0.47	0.094	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Nickel	**41**		0.47	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Potassium	**1400**		24	3.9	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Selenium	<0.47		0.47	0.23	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Silver	<0.24		0.24	0.055	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Sodium	**1200**		47	6.3	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Thallium	**0.42**	**J**	0.47	0.23	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Vanadium	**18**		0.24	0.069	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1
Zinc	**66**		0.95	0.30	mg/Kg	☼	10/13/16 08:27	10/14/16 01:09	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**		17	9.1	ug/Kg	☼	10/11/16 15:45	10/12/16 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			10/11/16 00:12	1

Client Sample ID: DR-8(9-15)-100616
Date Collected: 10/06/16 10:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-5
Matrix: Solid
Percent Solids: 85.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	3.2	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Benzene	<4.1		4.1	0.92	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Bromodichloromethane	<4.1		4.1	0.70	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Bromoform	<4.1		4.1	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Carbon disulfide	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Carbon tetrachloride	<4.1		4.1	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Chlorobenzene	<4.1		4.1	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Chloroethane	<4.1		4.1	1.7	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Chloroform	<4.1		4.1	0.81	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Chloromethane	<4.1		4.1	0.99	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
cis-1,2-Dichloroethene	<4.1		4.1	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
cis-1,3-Dichloropropene	<4.1		4.1	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Dibromochloromethane	<4.1		4.1	0.48	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
1,1-Dichloroethane	<4.1		4.1	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
1,2-Dichloroethane	<4.1		4.1	0.61	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
1,1-Dichloroethene	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
1,2-Dichloropropane	<4.1		4.1	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
1,3-Dichloropropene, Total	<4.1		4.1	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Ethylbenzene	<4.1		4.1	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Methylene Chloride	<4.1		4.1	3.1	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Methyl Ethyl Ketone	<4.1		4.1	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
methyl isobutyl ketone	<4.1		4.1	0.85	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Methyl tert-butyl ether	<4.1		4.1	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Styrene	<4.1		4.1	0.97	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
1,1,2,2-Tetrachloroethane	<4.1		4.1	0.66	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Tetrachloroethene	<4.1		4.1	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Toluene	<4.1		4.1	1.4	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
trans-1,2-Dichloroethene	<4.1		4.1	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
trans-1,3-Dichloropropene	<4.1		4.1	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
1,1,1-Trichloroethane	<4.1		4.1	0.96	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
1,1,2-Trichloroethane	<4.1		4.1	0.80	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Trichloroethene	<4.1		4.1	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Vinyl chloride	<4.1		4.1	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1
Xylenes, Total	<8.3		8.3	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*10/06/16 17:20*	*10/12/16 17:49*	*1*
Dibromofluoromethane	*106*		*75 - 120*	*10/06/16 17:20*	*10/12/16 17:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*69 - 134*	*10/06/16 17:20*	*10/12/16 17:49*	*1*
Toluene-d8 (Surr)	*104*		*75 - 123*	*10/06/16 17:20*	*10/12/16 17:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1

Client Sample ID: DR-8(9-15)-100616
Date Collected: 10/06/16 10:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-5
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2-Methylphenol	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Carbazole	<190		190	92	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Chrysene	**26**	**J**	37	10	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Dibenzofuran	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Hexachloroethane	<190		190	56	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1

Client Sample ID: DR-8(9-15)-100616
Date Collected: 10/06/16 10:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-5
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Isophorone	<190		190	41	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Naphthalene	<37		37	5.7	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Phenanthrene	**44**		37	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Phenol	<190		190	82	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1
Pyrene	**17**	**J**	37	7.3	ug/Kg	☼	10/07/16 07:24	10/08/16 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*25 - 130*	*10/07/16 07:24*	*10/08/16 04:47*	*1*
2-Fluorobiphenyl	*91*		*42 - 115*	*10/07/16 07:24*	*10/08/16 04:47*	*1*
2-Fluorophenol	*89*		*40 - 130*	*10/07/16 07:24*	*10/08/16 04:47*	*1*
Nitrobenzene-d5	*90*		*33 - 124*	*10/07/16 07:24*	*10/08/16 04:47*	*1*
Phenol-d5	*67*		*36 - 123*	*10/07/16 07:24*	*10/08/16 04:47*	*1*
Terphenyl-d14	*161*	*X*	*25 - 150*	*10/07/16 07:24*	*10/08/16 04:47*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 03:34	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 03:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 03:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 03:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:34	1
Copper	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:34	1
Iron	**0.52**		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 03:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 03:34	1
Manganese	**1.1**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:34	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 03:34	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:34	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.056**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:05	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:05	1
Beryllium	**0.0042**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:05	1
Chromium	**0.090**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:05	1
Cobalt	**0.032**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:05	1
Copper	**0.22**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:05	1
Iron	**120**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:05	1
Lead	**0.050**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:05	1
Manganese	**0.47**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:05	1
Nickel	**0.13**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:05	1

Client Sample ID: DR-8(9-15)-100616
Date Collected: 10/06/16 10:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-5
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:05	1
Zinc	**0.37**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 04:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Arsenic	**7.7**		0.56	0.26	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Barium	**34**		0.56	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Beryllium	**0.54**		0.23	0.049	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Cadmium	**0.11**		0.11	0.033	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Calcium	**77000**	**B**	110	36	mg/Kg	☼	10/13/16 08:27	10/14/16 20:10	10
Chromium	**13**	**B**	0.56	0.097	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Cobalt	**9.5**		0.28	0.064	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Copper	**23**		0.56	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Iron	**18000**	**B**	11	4.3	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Lead	**14**		0.28	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Magnesium	**31000**		5.6	2.3	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Manganese	**280**		0.56	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Nickel	**27**		0.56	0.15	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Potassium	**1800**		28	4.6	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Sodium	**440**		56	7.4	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Thallium	**0.43**	**J**	0.56	0.28	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Vanadium	**15**		0.28	0.082	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1
Zinc	**56**		1.1	0.36	mg/Kg	☼	10/13/16 08:27	10/14/16 01:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:44	1

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

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

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		20	10	ug/Kg	☼	10/11/16 15:45	10/12/16 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			10/11/16 00:42	1

Client Sample ID: DR-7(4-9)-100616
Date Collected: 10/06/16 10:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-6
Matrix: Solid
Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	3.3	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Benzene	<4.3		4.3	0.95	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Bromodichloromethane	<4.3		4.3	0.72	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Bromoform	<4.3		4.3	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Carbon disulfide	<4.3		4.3	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Carbon tetrachloride	<4.3		4.3	0.92	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Chlorobenzene	<4.3		4.3	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Chloroethane	<4.3		4.3	1.8	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Chloroform	<4.3		4.3	0.84	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Chloromethane	<4.3		4.3	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
cis-1,2-Dichloroethene	<4.3		4.3	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
cis-1,3-Dichloropropene	<4.3		4.3	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Dibromochloromethane	<4.3		4.3	0.49	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
1,1-Dichloroethane	<4.3		4.3	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
1,2-Dichloroethane	<4.3		4.3	0.64	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
1,1-Dichloroethene	<4.3		4.3	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
1,2-Dichloropropane	<4.3		4.3	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
1,3-Dichloropropene, Total	<4.3		4.3	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Ethylbenzene	<4.3		4.3	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Methylene Chloride	<4.3		4.3	3.2	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Methyl Ethyl Ketone	<4.3		4.3	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
methyl isobutyl ketone	<4.3		4.3	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Methyl tert-butyl ether	<4.3		4.3	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Styrene	<4.3		4.3	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
1,1,2,2-Tetrachloroethane	<4.3		4.3	0.68	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Tetrachloroethene	<4.3		4.3	0.89	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Toluene	<4.3		4.3	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
trans-1,2-Dichloroethene	<4.3		4.3	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
trans-1,3-Dichloropropene	<4.3		4.3	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
1,1,1-Trichloroethane	<4.3		4.3	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
1,1,2-Trichloroethane	<4.3		4.3	0.83	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Trichloroethene	<4.3		4.3	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Vinyl chloride	<4.3		4.3	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1
Xylenes, Total	<8.6		8.6	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 120*	*10/06/16 17:20*	*10/12/16 18:14*	*1*
Dibromofluoromethane	*108*		*75 - 120*	*10/06/16 17:20*	*10/12/16 18:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*69 - 134*	*10/06/16 17:20*	*10/12/16 18:14*	*1*
Toluene-d8 (Surr)	*122*		*75 - 123*	*10/06/16 17:20*	*10/12/16 18:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1

Client Sample ID: DR-7(4-9)-100616
Date Collected: 10/06/16 10:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-6
Matrix: Solid
Percent Solids: 80.9

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	89	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Anthracene	**9.7**	**J**	39	6.5	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Benzo[a]anthracene	**55**		39	5.3	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Benzo[a]pyrene	**64**		39	7.6	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Benzo[b]fluoranthene	**100**		39	8.4	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Benzo[g,h,i]perylene	**35**	**J**	39	13	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Benzo[k]fluoranthene	**38**	**J**	39	12	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Carbazole	<200		200	98	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Chrysene	**64**		39	11	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Dibenz(a,h)anthracene	**12**	**J**	39	7.5	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Fluoranthene	**140**		39	7.2	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Hexachloroethane	<200		200	59	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1

Client Sample ID: DR-7(4-9)-100616
Date Collected: 10/06/16 10:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-6
Matrix: Solid
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**34**	**J**	39	10	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Isophorone	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Naphthalene	<39		39	6.0	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Phenanthrene	**50**		39	5.4	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Phenol	<200		200	87	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1
Pyrene	**100**		39	7.8	ug/Kg	☼	10/07/16 07:24	10/07/16 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*25 - 130*	*10/07/16 07:24*	*10/07/16 22:36*	*1*
2-Fluorobiphenyl	*89*		*42 - 115*	*10/07/16 07:24*	*10/07/16 22:36*	*1*
2-Fluorophenol	*94*		*40 - 130*	*10/07/16 07:24*	*10/07/16 22:36*	*1*
Nitrobenzene-d5	*88*		*33 - 124*	*10/07/16 07:24*	*10/07/16 22:36*	*1*
Phenol-d5	*71*		*36 - 123*	*10/07/16 07:24*	*10/07/16 22:36*	*1*
Terphenyl-d14	*148*		*25 - 150*	*10/07/16 07:24*	*10/07/16 22:36*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 03:39	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 03:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 03:39	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 03:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:39	1
Cobalt	**0.033**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:39	1
Copper	**0.059**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:39	1
Iron	<0.40		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 03:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 03:39	1
Manganese	**4.7**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:39	1
Nickel	**0.035**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 03:39	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:39	1
Zinc	**0.030**	**J**	0.50	0.020	mg/L		10/14/16 14:13	10/16/16 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.076**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:09	1
Barium	**0.60**		0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:09	1
Beryllium	**0.0082**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:09	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:09	1
Chromium	**0.17**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:09	1
Cobalt	**0.068**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:09	1
Copper	**0.24**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:09	1
Iron	**190**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:09	1
Lead	**0.11**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:09	1
Manganese	**1.0**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:09	1
Nickel	**0.25**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:09	1

Client Sample ID: DR-7(4-9)-100616
Date Collected: 10/06/16 10:25
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-6
Matrix: Solid
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:09	1
Zinc	**0.47**	**J**	0.50	0.020	mg/L		10/14/16 14:15	10/17/16 14:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.99		0.99	0.20	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Arsenic	**7.2**		0.49	0.23	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Barium	**45**		0.49	0.090	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Beryllium	**0.58**		0.20	0.043	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Cadmium	**0.13**		0.099	0.029	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Calcium	**89000**	**B**	99	32	mg/Kg	☼	10/13/16 08:27	10/14/16 20:13	10
Chromium	**13**	**B**	0.49	0.085	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Cobalt	**14**		0.25	0.056	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Copper	**19**		0.49	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Iron	**17000**	**B**	9.9	3.8	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Lead	**16**		0.25	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Magnesium	**39000**		4.9	2.0	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Manganese	**370**		0.49	0.098	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Nickel	**30**		0.49	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Potassium	**1800**		25	4.0	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Selenium	<0.49		0.49	0.24	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Sodium	**530**		49	6.5	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Thallium	**0.24**	**J**	0.49	0.24	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Vanadium	**16**		0.25	0.072	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1
Zinc	**53**		0.99	0.31	mg/Kg	☼	10/13/16 08:27	10/14/16 01:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		19	9.9	ug/Kg	☼	10/11/16 15:45	10/12/16 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.0**		0.2	0.2	SU			10/11/16 01:41	1

Client Sample ID: DR-7(9-15)-100616
Date Collected: 10/06/16 10:35
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-7
Matrix: Solid
Percent Solids: 79.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	3.3	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Benzene	<4.2		4.2	0.94	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Bromodichloromethane	<4.2		4.2	0.71	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Bromoform	<4.2		4.2	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Carbon disulfide	<4.2		4.2	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Carbon tetrachloride	<4.2		4.2	0.91	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Chlorobenzene	<4.2		4.2	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Chloroethane	<4.2		4.2	1.8	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Chloroform	<4.2		4.2	0.83	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Chloromethane	<4.2		4.2	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
cis-1,2-Dichloroethene	<4.2		4.2	0.86	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
cis-1,3-Dichloropropene	<4.2		4.2	0.97	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Dibromochloromethane	<4.2		4.2	0.49	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
1,1-Dichloroethane	<4.2		4.2	0.87	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
1,2-Dichloroethane	<4.2		4.2	0.63	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
1,1-Dichloroethene	<4.2		4.2	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
1,2-Dichloropropane	<4.2		4.2	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
1,3-Dichloropropene, Total	<4.2		4.2	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Ethylbenzene	<4.2		4.2	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Methylene Chloride	<4.2		4.2	3.2	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Methyl Ethyl Ketone	<4.2		4.2	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
methyl isobutyl ketone	<4.2		4.2	0.87	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Methyl tert-butyl ether	<4.2		4.2	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Styrene	<4.2		4.2	0.99	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
1,1,2,2-Tetrachloroethane	<4.2		4.2	0.67	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Tetrachloroethene	<4.2		4.2	0.88	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Toluene	<4.2		4.2	1.5	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
trans-1,2-Dichloroethene	<4.2		4.2	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
trans-1,3-Dichloropropene	<4.2		4.2	1.2	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
1,1,1-Trichloroethane	<4.2		4.2	0.98	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
1,1,2-Trichloroethane	<4.2		4.2	0.82	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Trichloroethene	<4.2		4.2	1.1	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Vinyl chloride	<4.2		4.2	1.0	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1
Xylenes, Total	<8.5		8.5	1.6	ug/Kg	☼	10/06/16 17:20	10/12/16 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*10/06/16 17:20*	*10/12/16 18:39*	*1*
Dibromofluoromethane	*103*		*75 - 120*	*10/06/16 17:20*	*10/12/16 18:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*69 - 134*	*10/06/16 17:20*	*10/12/16 18:39*	*1*
Toluene-d8 (Surr)	*102*		*75 - 123*	*10/06/16 17:20*	*10/12/16 18:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1

Client Sample ID: DR-7(9-15)-100616
Date Collected: 10/06/16 10:35
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-7
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2-Methylphenol	<200		200	64	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Anthracene	<40		40	6.7	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Benzo[a]anthracene	**6.4**	**J**	40	5.4	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Carbazole	<200		200	100	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Chrysene	<40		40	11	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Dibenzofuran	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Fluoranthene	**14**	**J**	40	7.4	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Fluorene	<40		40	5.6	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Hexachloroethane	<200		200	61	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1

Client Sample ID: DR-7(9-15)-100616
Date Collected: 10/06/16 10:35
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-7
Matrix: Solid
Percent Solids: 79.9

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	<40		40	10	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Isophorone	<200		200	45	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Naphthalene	<40		40	6.2	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Nitrobenzene	<40		40	10	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Phenol	<200		200	89	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1
Pyrene	**11**	**J**	40	8.0	ug/Kg	☼	10/07/16 07:24	10/07/16 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*25 - 130*	*10/07/16 07:24*	*10/07/16 23:01*	*1*
2-Fluorobiphenyl	*93*		*42 - 115*	*10/07/16 07:24*	*10/07/16 23:01*	*1*
2-Fluorophenol	*100*		*40 - 130*	*10/07/16 07:24*	*10/07/16 23:01*	*1*
Nitrobenzene-d5	*88*		*33 - 124*	*10/07/16 07:24*	*10/07/16 23:01*	*1*
Phenol-d5	*70*		*36 - 123*	*10/07/16 07:24*	*10/07/16 23:01*	*1*
Terphenyl-d14	*157*	*X*	*25 - 150*	*10/07/16 07:24*	*10/07/16 23:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 03:44	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 03:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 03:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 03:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:44	1
Copper	**0.086**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:44	1
Iron	**0.20**	**J**	0.40	0.20	mg/L		10/14/16 14:13	10/16/16 03:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 03:44	1
Manganese	**0.15**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:44	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 03:44	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 03:44	1
Zinc	**0.046**	**J**	0.50	0.020	mg/L		10/14/16 14:13	10/16/16 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.057**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 04:13	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 04:13	1
Beryllium	**0.0040**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 04:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 04:13	1
Chromium	**0.10**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:13	1
Cobalt	**0.026**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:13	1
Copper	**0.13**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:13	1
Iron	**140**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 04:13	1
Lead	**0.028**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 04:13	1
Manganese	**0.86**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:13	1
Nickel	**0.11**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 04:13	1

Client Sample ID: DR-7(9-15)-100616
Date Collected: 10/06/16 10:35
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-7
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 04:13	1
Zinc	**0.47**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 04:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Arsenic	**8.2**		0.55	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Barium	**43**		0.55	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Beryllium	**0.38**		0.22	0.047	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Cadmium	**0.22**		0.11	0.032	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Calcium	**32000**	**B**	11	3.5	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Chromium	**8.7**	**B**	0.55	0.094	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Cobalt	**8.3**		0.27	0.062	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Copper	**16**		0.55	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Iron	**14000**	**B**	11	4.2	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Lead	**12**		0.27	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Magnesium	**23000**		5.5	2.2	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Manganese	**410**		0.55	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Nickel	**22**		0.55	0.15	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Potassium	**810**		27	4.5	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Sodium	**460**		55	7.2	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Thallium	**0.52**	**J**	0.55	0.27	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Vanadium	**16**		0.27	0.080	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1
Zinc	**61**		1.1	0.35	mg/Kg	☼	10/13/16 08:27	10/14/16 01:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		19	9.8	ug/Kg	☼	10/11/16 15:45	10/12/16 11:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			10/11/16 02:11	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-118244 COC

Report To (optional)
Contact: S. Balasubramaniam
Company: Weston Solutions, Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8, 3.3

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		DR-6(4-9)-100616	10-6-16	0855	6	S	X	X	X	X	X					
2		DR-6(9-15)-100616		0910	6	S	X	X	X	X	X					
3		DR-6(9-15)-100616 D		0910	6	S	X	X	X	X	X					
4		DR-8 (4-9)-100616		0950	6	S	X	X	X	X	X					
5		DR-8(9-15)-100616		1000	6	S	X	X	X	X	X					
6		DR-7(4-9)-100616		1025	6	S	X	X	X	X	X					
7		DR-7(9-15)-100616		1035	6	S	X	X	X	X	X					
8		CC-3(4-10)-100616		1100	6	S	X	X	X	X	X					
9		CC-1-(4-10)-100616		1125	6	S	X	X	X	X	X					
10		TC-4(4-9)-100616	10-6-16	1155	6	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10-6-16	1505
David Becker	TA	10/6/16	1610	Shawn Scott	TA-CHI	10/6/16	1610

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babuswkumar
Company: Weston Solution, Inc
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		TC-4(9-15)-100616	10-6-16	1205	6	S		X	X	X	X	X	
12		OP-1(0-4)-100616		1300	6	S		X	X	X	X	X	
13		OP-1(4-9)-100616		1310	6	S		X	X	X	X	X	
14		CB-1(0-5)-100616		1315	6	S		X	X	X	X	X	
15		CB-1(5-10)-100616		1320	6	S		X	X	X	X	X	
16		SA-5(4-8)-100616		~~1355~~ 1405	6	S		X	X	X	X	X	Sample time = 1405
17		R18-3(4-7)-100616		1425	6	S		X	X	X	X	X	
18		R18-3(4-7)-100616D		1425	6	S		X	X	X	X	X	
19		VB-5(4-9)-100616		1450	6	S		X	X	X	X	X	
20		VB-5(9-15)-100616	10-6-16	1500	6	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10/6/16	1505
David Becker	TA	10-6-16	1610	Allen Scott	TA-CHI	10/6/16	1610
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

705 East Ogden Avenue (ISGS SITE No. 2619V-24)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.786148493 (Decimal Degrees) Longitude: -88.136556208 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.786148493 Longitude: -88.136556208

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 VB-1 THROUGH VB-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2619V-24 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: 500-92467-1 AND
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-118244-1
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Michael A Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017
Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 2619V-24
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	VB-1(0-4)-021815	VB-2(0-4)-021815	VB-2(0-4)-021815D	VB-3(0-5)-021815	VB-3(5-10)-021815	VB-3(10-15)-021815	VB-4(0-4)-021815	VB-5(0-4)-021815	VB-5(4-9)-100616	VB-5(9-15)-100616	Soil Reference Concentrations[A]
Sample Date	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	10/6/2016	10/6/2016	
Location ID	VB-1	VB-2	VB-2	VB-3	VB-3	VB-3	VB-4	VB-5	VB-5	VB-5	
Depth	0 - 4	0 - 4	0 - 4	0 - 5	5 - 10	10 - 15	0 - 4	0 - 4	4 - 9	9 - 15	
ISGS Site No.	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	
Parameter											
Laboratory pH (s.u.)	7.50	8.45	8.48	8.55	8.76	7.89	8.04	8.36	8.70	8.40	<6.25, >9.0
VOCs (ug/kg)											
Acetone	ND	ND	ND	ND	ND	8.6	ND	ND	ND	ND	25000
SVOCs (ug/kg)											
2-Methylnaphthalene	ND	ND	ND	ND	ND	16 J	540	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	ND	820	ND	ND	ND	570000
Anthracene	ND	ND	ND	ND	ND	ND	800	110 J	ND	ND	1.20E+07
Benzo(a)anthracene	28 J	46	46	16 J	ND	ND	1300	930	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	37 J	59	65	16 J	ND	ND	1100	1000	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	56	84	94	23 J	ND	ND	1700	1500	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	25 J	28 J	46	ND	ND	ND	700	700	ND	ND	---
Benzo(k)fluoranthene	26 J	38 J	45	ND	ND	ND	660	510	ND	ND	9000
Chrysene	35 J	58	59	13 J	ND	ND	1300	1100	ND	ND	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	180 J	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	ND	530 J	ND	ND	ND	---
Di-N-Octyl phthalate	ND	ND	140 J	380	250	220	ND	ND	ND	ND	1600000
Fluoranthene	58 J-	81	77	13 J	ND	ND	3200	1800	ND	ND	3100000
Fluorene	ND	ND	ND	ND	ND	ND	970	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	24 J	43	39	10 J	ND	ND	560	580	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	ND	540	ND	ND	ND	1800
Phenanthrene	18 J	24 J	27 J	ND	ND	41	4400	430	ND	ND	---
Pyrene	70 J-	76	110	14 J	ND	22 J	3500	1700	ND	ND	2300000
Total Metals (mg/kg)											
Arsenic, Total	11 J-	10 J-	9.1 J-	8.8 J-	11 J-	7.1 J-	8.6 J-	6.8 J-	9.6	8.6	11.3 / 13.0
Barium, Total	91	45	42	47	40	20	52	85	36	33	1500
Beryllium, Total	0.81	0.57	0.59	0.47	0.47	0.41	0.54	0.59	0.6	0.62	22
Cadmium, Total	0.24	0.33	0.31	0.28	0.31	0.24	0.29	0.29	0.12	0.16	5.2
Calcium, Total	18000 J+	75000 J+	76000 J+	95000 J+	84000 J+	120000 J+	81000 J+	39000 J+	62000 B	77000 B	---
Chromium, Total	21	15	16	13	13	11	15	15	16 B	15 B	21
Cobalt, Total	14 J	13 J	8.9 J	8.6 J	10 J	6.5 J	9 J	7.3 J	14	9.4	20
Copper, Total	26	24	25	20	25	20	21	15	25	24	2900
Iron, Total	26000 J-	21000 J-	22000 J-	18000 J-	21000 J-	16000 J-	19000 J-	16000 J-	21000 B	20000 B	15000 / 15900
Lead, Total	31	17	17	10	13	9.5	13	18	15	14	107
Magnesium, Total	13000 J+	37000 J+	35000 J+	45000 J+	42000 J+	55000 J+	35000 J+	24000 J+	28000	30000	325000
Manganese, Total	580 J	560 J	390 J	430 J	440 J	570 J	400 J	470 J	280	270	630
Mercury, Total	0.029 J	0.024 J	0.022 J	0.02 J	0.015 J	0.017 J	0.023 J	0.029 J	0.024	0.026	0.89
Nickel, Total	28 J-	26 J-	26 J-	21 J-	24 J-	18 J-	22 J-	15 J-	31	29	100
Potassium, Total	2300 J+	2600 J+	2900 J+	2400 J+	2400 J+	2500 J+	2500 J+	2000 J+	1800	2000	---
Sodium, Total	190	450	410	260	520	690	270	630	390	320	---
Thallium, Total	1.4 J-	1.3 J-	0.93 J-	0.92 J-	1.4 J-	0.92 J-	0.84 J-	0.88 J-	0.81	0.41 J	2.6
Vanadium, Total	28	20	20	16	16	13	19	24	18	18	550
Zinc, Total	56 J-	55 J-	51 J-	39 J-	49 J-	35 J-	40 J-	45 J-	63	59	5100

Summary Table of ISGS Site No. 2619V-24
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	VB-1(0-4)-021815	VB-2(0-4)-021815	VB-2(0-4)-021815D	VB-3(0-5)-021815	VB-3(5-10)-021815	VB-3(10-15)-021815	VB-4(0-4)-021815	VB-5(0-4)-021815	VB-5(4-9)-100616	VB-5(9-15)-100616	Soil Reference Concentrations[A]
Sample Date	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015	10/6/2016	10/6/2016	
Location ID	VB-1	VB-2	VB-2	VB-3	VB-3	VB-3	VB-4	VB-5	VB-5	VB-5	
Depth	0 - 4	0 - 4	0 - 4	0 - 5	5 - 10	10 - 15	0 - 4	0 - 4	4 - 9	9 - 15	
ISGS Site No.	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	2619V-24	
TCLP Metals (mg/l)											
Barium, TCLP	0.52	0.34 J	0.34 J	0.5	0.35 J	0.3 J	0.47 J	0.45 J	0.24 J	0.22 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0032 J	ND	0.005
Cobalt, TCLP	ND	ND	ND	ND	ND	0.041	ND	ND	0.028	ND	1
Copper, TCLP	ND	0.012 J	ND	ND	ND	0.014 J	0.031	ND	ND	0.015 J	0.65
Iron, TCLP	ND	0.38 J	ND	ND	ND	ND	ND	ND	ND	0.58 J-	5
Manganese, TCLP	0.37	0.32	0.4	0.32	0.67	2	0.017 J	0.085	3	0.63	0.15
Nickel, TCLP	ND	ND	ND	ND	ND	0.092	ND	ND	0.031	ND	0.1
Zinc, TCLP	0.029 J	0.037 J	0.029 J	0.024 J	0.021 J	0.037 J	0.03 J	0.024 J	ND	ND	5
SPLP Metals (mg/l)											
Arsenic, SPLP	0.013 J	0.081	0.071	ND	0.043 J	ND	0.025 J	0.045 J	0.089	0.094	0.05
Barium, SPLP	0.32 J	0.55	0.58	0.28 J	0.36 J	0.18 J	0.35 J	0.57	0.31 J	0.38 J	2
Beryllium, SPLP	ND	0.0059	0.0055	ND	ND	ND	ND	0.0042	0.0057	0.0074	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0021 J	0.005
Chromium, SPLP	0.037	0.13	0.12	0.011 J	0.055	ND	0.052	0.093	0.12	0.15	0.1
Cobalt, SPLP	ND	0.035	0.035	ND	0.023 J	ND	0.016 J	0.026	0.043	0.054	1
Copper, SPLP	0.061	0.23	0.19	0.02 J	0.12	0.03	0.088	0.12	0.22	0.27	0.65
Iron, SPLP	36	160	150	6.9	80	1.5	55	100	160 J+	210 J+	5
Lead, SPLP	0.014	0.12	0.12	ND	0.039	ND	0.022	0.067	0.054	0.072	0.0075
Manganese, SPLP	0.22	0.53	0.52	0.043	0.4	0.031	0.22	0.58	0.48	0.67 J	0.15
Nickel, SPLP	0.037	0.14	0.14	ND	0.085	ND	0.057	0.095	0.15	0.22 J	0.1
Zinc, SPLP	0.22 B	0.51 B	0.5 B	0.19 B	0.33 B	0.17 B	0.27 B	0.4 B	0.38 J	0.47 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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: 500-92467-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
2/27/2015 4:26:22 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-1(0-4)-021815
Date Collected: 02/18/15 09:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-1
Matrix: Solid
Percent Solids: 81.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		02/20/15 22:43	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		02/20/15 22:43	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 22:43	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		02/20/15 22:43	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		02/20/15 22:43	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		02/20/15 22:43	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 22:43	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		02/20/15 22:43	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		02/20/15 22:43	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		02/20/15 22:43	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 22:43	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		02/20/15 22:43	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		02/20/15 22:43	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 22:43	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		02/20/15 22:43	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		02/20/15 22:43	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 22:43	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		02/20/15 22:43	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		02/20/15 22:43	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		02/20/15 22:43	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		02/20/15 22:43	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		02/20/15 22:43	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		02/20/15 22:43	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		02/20/15 22:43	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 22:43	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		02/20/15 22:43	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		02/20/15 22:43	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		02/20/15 22:43	1
Toluene	<6.2		6.2	0.86	ug/Kg	☼		02/20/15 22:43	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		02/20/15 22:43	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 22:43	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/20/15 22:43	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		02/20/15 22:43	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 22:43	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 22:43	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		02/20/15 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*02/20/15 22:43*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*02/20/15 22:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*02/20/15 22:43*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*02/20/15 22:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-1(0-4)-021815
Date Collected: 02/18/15 09:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-1
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2-Methylnaphthalene	<40		40	7.3	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Acenaphthylene	<40		40	5.2	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Benzo[a]anthracene	**28**	**J**	40	5.4	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Benzo[a]pyrene	**37**	**J**	40	7.7	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Benzo[b]fluoranthene	**56**		40	8.6	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Benzo[g,h,i]perylene	**25**	**J**	40	13	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Benzo[k]fluoranthene	**26**	**J**	40	12	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Chrysene	**35**	**J**	40	11	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Fluoranthene	**58**		40	7.4	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Fluorene	<40		40	5.6	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-1(0-4)-021815
Date Collected: 02/18/15 09:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-1
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**24**	**J**	40	10	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Isophorone	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Naphthalene	<40		40	6.1	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Phenanthrene	**18**	**J**	40	5.5	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Phenol	<200		200	88	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1
Pyrene	**70**		40	7.9	ug/Kg	☼	02/23/15 07:10	02/25/15 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*02/23/15 07:10*	*02/25/15 14:30*	*1*
2-Fluorobiphenyl	*44*		*25 - 119*	*02/23/15 07:10*	*02/25/15 14:30*	*1*
2-Fluorophenol	*41*		*25 - 110*	*02/23/15 07:10*	*02/25/15 14:30*	*1*
Nitrobenzene-d5	*35*		*25 - 115*	*02/23/15 07:10*	*02/25/15 14:30*	*1*
Phenol-d5	*44*		*31 - 110*	*02/23/15 07:10*	*02/25/15 14:30*	*1*
Terphenyl-d14	*88*		*36 - 134*	*02/23/15 07:10*	*02/25/15 14:30*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 03:40	1
Barium	**0.52**		0.50	0.050	mg/L		02/26/15 09:40	02/27/15 03:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 03:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 03:40	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 03:40	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 03:40	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 03:40	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 03:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 03:40	1
Manganese	**0.37**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 03:40	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 03:40	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 03:40	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 03:40	1
Zinc	**0.029**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 03:40	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		02/25/15 10:15	02/26/15 05:27	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 05:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 05:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 05:27	1
Chromium	**0.037**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:27	1
Cobalt	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:27	1
Copper	**0.061**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:27	1
Iron	**36**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 05:27	1
Lead	**0.014**		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 17:16	1
Manganese	**0.22**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:27	1
Nickel	**0.037**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:27	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 05:27	1

Client Sample ID: VB-1(0-4)-021815
Date Collected: 02/18/15 09:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:27	1
Zinc	**0.22**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 05:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.97**	**J B**	1.2	0.25	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Arsenic	**11**		0.60	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Barium	**91**		0.60	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Beryllium	**0.81**		0.24	0.052	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Cadmium	**0.24**		0.12	0.035	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Calcium	**18000**		12	3.9	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Chromium	**21**		0.60	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Cobalt	**14**		0.30	0.068	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Copper	**26**		0.60	0.13	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Iron	**26000**		12	4.6	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Lead	**31**		0.30	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Magnesium	**13000**		6.0	2.4	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Manganese	**580**		0.60	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Nickel	**28**		0.60	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Potassium	**2300**		30	4.9	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Silver	<0.30		0.30	0.071	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Sodium	**190**		60	8.0	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Thallium	**1.4**		0.60	0.30	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Vanadium	**28**		0.30	0.088	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1
Zinc	**56**	**B**	1.2	0.38	mg/Kg	☼	02/22/15 18:41	02/23/15 21:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 09:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		20	6.8	ug/Kg	☼	02/23/15 15:00	02/24/15 10:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.50**		0.200	0.200	SU			02/23/15 11:18	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-2(0-4)-021815
Date Collected: 02/18/15 09:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-2
Matrix: Solid
Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/20/15 23:54	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 23:54	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 23:54	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/20/15 23:54	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/20/15 23:54	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 23:54	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 23:54	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		02/20/15 23:54	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 23:54	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/20/15 23:54	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 23:54	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		02/20/15 23:54	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		02/20/15 23:54	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 23:54	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		02/20/15 23:54	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		02/20/15 23:54	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		02/20/15 23:54	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/20/15 23:54	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		02/20/15 23:54	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 23:54	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/20/15 23:54	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 23:54	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/20/15 23:54	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 23:54	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/20/15 23:54	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		02/20/15 23:54	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 23:54	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		02/20/15 23:54	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		02/20/15 23:54	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 23:54	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 23:54	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 23:54	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		02/20/15 23:54	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		02/20/15 23:54	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 23:54	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/20/15 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*02/20/15 23:54*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*02/20/15 23:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*		*02/20/15 23:54*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*02/20/15 23:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-2(0-4)-021815
Date Collected: 02/18/15 09:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-2
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
4-Chloroaniline	<790		790	190	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Anthracene	<39		39	6.6	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Benzo[a]anthracene	**46**		39	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Benzo[a]pyrene	**59**		39	7.6	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Benzo[b]fluoranthene	**84**		39	8.5	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Benzo[g,h,i]perylene	**28**	**J**	39	13	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Benzo[k]fluoranthene	**38**	**J**	39	12	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Chrysene	**58**		39	11	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Fluoranthene	**81**		39	7.3	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Fluorene	<39		39	5.5	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-2(0-4)-021815
Date Collected: 02/18/15 09:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-2
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	43		39	10	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Isophorone	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Naphthalene	<39		39	6.1	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Phenanthrene	24	J	39	5.5	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Phenol	<200		200	88	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1
Pyrene	76		39	7.8	ug/Kg	☼	02/23/15 07:10	02/24/15 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*02/23/15 07:10*	*02/24/15 18:21*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*02/23/15 07:10*	*02/24/15 18:21*	*1*
2-Fluorophenol	*59*		*25 - 110*	*02/23/15 07:10*	*02/24/15 18:21*	*1*
Nitrobenzene-d5	*54*		*25 - 115*	*02/23/15 07:10*	*02/24/15 18:21*	*1*
Phenol-d5	*63*		*31 - 110*	*02/23/15 07:10*	*02/24/15 18:21*	*1*
Terphenyl-d14	*86*		*36 - 134*	*02/23/15 07:10*	*02/24/15 18:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 04:19	1
Barium	0.34	J	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 04:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 04:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 04:19	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:19	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:19	1
Copper	0.012	J	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:19	1
Iron	0.38		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 04:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 04:19	1
Manganese	0.32		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:19	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 04:19	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:19	1
Zinc	0.037	J	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 04:19	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		02/25/15 10:15	02/26/15 05:33	1
Barium	0.55		0.50	0.050	mg/L		02/25/15 10:15	02/26/15 05:33	1
Beryllium	0.0059		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 05:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 05:33	1
Chromium	0.13		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:33	1
Cobalt	0.035		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:33	1
Copper	0.23		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:33	1
Iron	160		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 05:33	1
Lead	0.12		0.038	0.038	mg/L		02/25/15 10:15	02/27/15 04:11	5
Manganese	0.53		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:33	1
Nickel	0.14		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:33	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 05:33	1

Client Sample ID: VB-2(0-4)-021815
Date Collected: 02/18/15 09:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:33	1
Zinc	**0.51**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 05:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.71**	**J B**	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Arsenic	**10**		0.58	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Barium	**45**		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Beryllium	**0.57**		0.23	0.050	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Cadmium	**0.33**		0.12	0.034	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Calcium	**75000**		120	38	mg/Kg	☼	02/22/15 18:41	02/24/15 14:01	10
Chromium	**15**		0.58	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Cobalt	**13**		0.29	0.066	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Copper	**24**		0.58	0.13	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Iron	**21000**		12	4.5	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Lead	**17**		0.29	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Magnesium	**37000**		5.8	2.4	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Manganese	**560**		0.58	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Nickel	**26**		0.58	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Potassium	**2600**		29	4.8	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Sodium	**450**		58	7.7	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Thallium	**1.3**		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Vanadium	**20**		0.29	0.085	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1
Zinc	**55**	**B**	1.2	0.37	mg/Kg	☼	02/22/15 18:41	02/23/15 21:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		18	6.1	ug/Kg	☼	02/23/15 15:00	02/24/15 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.45**		0.200	0.200	SU			02/23/15 11:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-2(0-4)-021815D
Date Collected: 02/18/15 09:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-3
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/21/15 00:18	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 00:18	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 00:18	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/21/15 00:18	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/21/15 00:18	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		02/21/15 00:18	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 00:18	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/21/15 00:18	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 00:18	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/21/15 00:18	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 00:18	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		02/21/15 00:18	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 00:18	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 00:18	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		02/21/15 00:18	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 00:18	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		02/21/15 00:18	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/21/15 00:18	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 00:18	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 00:18	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/21/15 00:18	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 00:18	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/21/15 00:18	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 00:18	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/21/15 00:18	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 00:18	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 00:18	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		02/21/15 00:18	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/21/15 00:18	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		02/21/15 00:18	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 00:18	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		02/21/15 00:18	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 00:18	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		02/21/15 00:18	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 00:18	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/21/15 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*02/21/15 00:18*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*02/21/15 00:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*02/21/15 00:18*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/21/15 00:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-2(0-4)-021815D
Date Collected: 02/18/15 09:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-3
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Anthracene	<38		38	6.4	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Benzo[a]anthracene	**46**		38	5.2	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Benzo[a]pyrene	**65**		38	7.5	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Benzo[b]fluoranthene	**94**		38	8.3	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Benzo[g,h,i]perylene	**46**		38	12	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Benzo[k]fluoranthene	**45**		38	11	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Carbazole	<190		190	100	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Chrysene	**59**		38	11	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Di-n-octyl phthalate	**140**	**J**	190	63	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Fluoranthene	**77**		38	7.2	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Fluorene	<38		38	5.4	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Hexachloroethane	<190		190	59	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-2(0-4)-021815D
Date Collected: 02/18/15 09:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-3
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**39**		38	10	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Isophorone	<190		190	43	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Naphthalene	<38		38	5.9	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Phenanthrene	**27**	**J**	38	5.4	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Phenol	<190		190	86	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1
Pyrene	**110**		38	7.7	ug/Kg	☼	02/23/15 07:10	02/25/15 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*02/23/15 07:10*	*02/25/15 14:48*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*02/23/15 07:10*	*02/25/15 14:48*	*1*
2-Fluorophenol	*61*		*25 - 110*	*02/23/15 07:10*	*02/25/15 14:48*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*02/23/15 07:10*	*02/25/15 14:48*	*1*
Phenol-d5	*63*		*31 - 110*	*02/23/15 07:10*	*02/25/15 14:48*	*1*
Terphenyl-d14	*123*		*36 - 134*	*02/23/15 07:10*	*02/25/15 14:48*	*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		02/26/15 09:40	02/27/15 04:26	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 04:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 04:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 04:26	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:26	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:26	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:26	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 04:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 04:26	1
Manganese	**0.40**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:26	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:26	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 04:26	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:26	1
Zinc	**0.029**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 04:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.071**		0.050	0.010	mg/L		02/25/15 10:15	02/26/15 05:40	1
Barium	**0.58**		0.50	0.050	mg/L		02/25/15 10:15	02/26/15 05:40	1
Beryllium	**0.0055**		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 05:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 05:40	1
Chromium	**0.12**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:40	1
Cobalt	**0.035**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:40	1
Copper	**0.19**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:40	1
Iron	**150**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 05:40	1
Lead	**0.12**		0.038	0.038	mg/L		02/25/15 10:15	02/27/15 04:15	5
Manganese	**0.52**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:40	1
Nickel	**0.14**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:40	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 05:40	1

Client Sample ID: VB-2(0-4)-021815D
Date Collected: 02/18/15 09:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:40	1
Zinc	**0.50**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 05:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.66**	**J B**	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Arsenic	**9.1**		0.59	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Barium	**42**		0.59	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Beryllium	**0.59**		0.23	0.051	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Cadmium	**0.31**		0.12	0.034	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Calcium	**76000**		120	38	mg/Kg	☼	02/22/15 18:41	02/24/15 14:05	10
Chromium	**16**		0.59	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Cobalt	**8.9**		0.29	0.066	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Copper	**25**		0.59	0.13	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Iron	**22000**		12	4.5	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Lead	**17**		0.29	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Magnesium	**35000**		5.9	2.4	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Manganese	**390**		0.59	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Nickel	**26**		0.59	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Potassium	**2900**		29	4.8	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Sodium	**410**		59	7.7	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Thallium	**0.93**		0.59	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Vanadium	**20**		0.29	0.086	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1
Zinc	**51**	**B**	1.2	0.37	mg/Kg	☼	02/22/15 18:41	02/23/15 21:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		18	6.3	ug/Kg	☼	02/23/15 15:00	02/24/15 10:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.48**		0.200	0.200	SU			02/23/15 11:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(0-5)-021815
Date Collected: 02/18/15 10:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-4
Matrix: Solid
Percent Solids: 84.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		02/21/15 00:43	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		02/21/15 00:43	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/21/15 00:43	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		02/21/15 00:43	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		02/21/15 00:43	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		02/21/15 00:43	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		02/21/15 00:43	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		02/21/15 00:43	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		02/21/15 00:43	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		02/21/15 00:43	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		02/21/15 00:43	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		02/21/15 00:43	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		02/21/15 00:43	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/21/15 00:43	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		02/21/15 00:43	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		02/21/15 00:43	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		02/21/15 00:43	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		02/21/15 00:43	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		02/21/15 00:43	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		02/21/15 00:43	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		02/21/15 00:43	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		02/21/15 00:43	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		02/21/15 00:43	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		02/21/15 00:43	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		02/21/15 00:43	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		02/21/15 00:43	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		02/21/15 00:43	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		02/21/15 00:43	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		02/21/15 00:43	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		02/21/15 00:43	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		02/21/15 00:43	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		02/21/15 00:43	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		02/21/15 00:43	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		02/21/15 00:43	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		02/21/15 00:43	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/21/15 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*02/21/15 00:43*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*02/21/15 00:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*02/21/15 00:43*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*02/21/15 00:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(0-5)-021815
Date Collected: 02/18/15 10:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-4
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Anthracene	<39		39	6.5	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Benzo[a]anthracene	**16**	**J**	39	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Benzo[a]pyrene	**16**	**J**	39	7.6	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Benzo[b]fluoranthene	**23**	**J**	39	8.4	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Chrysene	**13**	**J**	39	11	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Di-n-octyl phthalate	**380**		200	64	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Fluoranthene	**13**	**J**	39	7.2	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Fluorene	<39		39	5.5	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Hexachloroethane	<200		200	59	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(0-5)-021815
Date Collected: 02/18/15 10:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-4
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**10**	**J**	39	10	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Isophorone	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Phenol	<200		200	87	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1
Pyrene	**14**	**J**	39	7.8	ug/Kg	☼	02/23/15 07:10	02/24/15 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 137*	*02/23/15 07:10*	*02/24/15 03:00*	*1*
2-Fluorobiphenyl	*66*		*25 - 119*	*02/23/15 07:10*	*02/24/15 03:00*	*1*
2-Fluorophenol	*60*		*25 - 110*	*02/23/15 07:10*	*02/24/15 03:00*	*1*
Nitrobenzene-d5	*62*		*25 - 115*	*02/23/15 07:10*	*02/24/15 03:00*	*1*
Phenol-d5	*63*		*31 - 110*	*02/23/15 07:10*	*02/24/15 03:00*	*1*
Terphenyl-d14	*80*		*36 - 134*	*02/23/15 07:10*	*02/24/15 03:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 04:32	1
Barium	**0.50**		0.50	0.050	mg/L		02/26/15 09:40	02/27/15 04:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 04:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 04:32	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:32	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:32	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:32	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 04:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 04:32	1
Manganese	**0.32**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:32	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:32	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 04:32	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:32	1
Zinc	**0.024**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 04:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/25/15 10:15	02/26/15 05:46	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 05:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 05:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 05:46	1
Chromium	**0.011**	**J**	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:46	1
Cobalt	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:46	1
Copper	**0.020**	**J**	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:46	1
Iron	**6.9**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 05:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 17:28	1
Manganese	**0.043**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:46	1
Nickel	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:46	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 05:46	1

Client Sample ID: VB-3(0-5)-021815
Date Collected: 02/18/15 10:00
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 05:46	1
Zinc	**0.19**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 05:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.63**	**J B**	1.2	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Arsenic	**8.8**		0.58	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Barium	**47**		0.58	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Beryllium	**0.47**		0.23	0.050	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Cadmium	**0.28**		0.12	0.034	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Calcium	**95000**		120	37	mg/Kg	☼	02/22/15 18:41	02/24/15 14:09	10
Chromium	**13**		0.58	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Cobalt	**8.6**		0.29	0.066	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Copper	**20**		0.58	0.13	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Iron	**18000**		12	4.5	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Lead	**10**		0.29	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Magnesium	**45000**		5.8	2.4	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Manganese	**430**		0.58	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Nickel	**21**		0.58	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Potassium	**2400**		29	4.7	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Sodium	**260**		58	7.7	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Thallium	**0.92**		0.58	0.29	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Vanadium	**16**		0.29	0.085	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1
Zinc	**39**	**B**	1.2	0.37	mg/Kg	☼	02/22/15 18:41	02/23/15 21:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 09:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20**		19	6.6	ug/Kg	☼	02/23/15 15:00	02/24/15 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.55**		0.200	0.200	SU			02/23/15 11:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(5-10)-021815
Date Collected: 02/18/15 10:05
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-5
Matrix: Solid
Percent Solids: 83.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/21/15 01:07	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 01:07	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 01:07	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/21/15 01:07	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/21/15 01:07	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 01:07	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 01:07	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		02/21/15 01:07	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 01:07	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/21/15 01:07	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 01:07	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		02/21/15 01:07	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 01:07	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 01:07	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		02/21/15 01:07	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		02/21/15 01:07	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		02/21/15 01:07	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/21/15 01:07	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 01:07	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 01:07	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/21/15 01:07	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 01:07	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/21/15 01:07	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 01:07	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/21/15 01:07	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		02/21/15 01:07	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 01:07	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		02/21/15 01:07	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/21/15 01:07	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 01:07	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 01:07	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 01:07	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		02/21/15 01:07	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		02/21/15 01:07	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 01:07	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/21/15 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*02/21/15 01:07*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*02/21/15 01:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*02/21/15 01:07*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*02/21/15 01:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(5-10)-021815
Date Collected: 02/18/15 10:05
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-5
Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Anthracene	<39		39	6.6	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Carbazole	<200		200	100	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Chrysene	<39		39	11	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Di-n-octyl phthalate	**250**		200	65	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Fluorene	<39		39	5.6	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(5-10)-021815
Date Collected: 02/18/15 10:05
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-5
Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Isophorone	<200		200	44	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Naphthalene	<39		39	6.1	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Phenol	<200		200	88	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1
Pyrene	<39		39	7.9	ug/Kg	☼	02/23/15 07:10	02/24/15 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*02/23/15 07:10*	*02/24/15 03:20*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*02/23/15 07:10*	*02/24/15 03:20*	*1*
2-Fluorophenol	*58*		*25 - 110*	*02/23/15 07:10*	*02/24/15 03:20*	*1*
Nitrobenzene-d5	*60*		*25 - 115*	*02/23/15 07:10*	*02/24/15 03:20*	*1*
Phenol-d5	*59*		*31 - 110*	*02/23/15 07:10*	*02/24/15 03:20*	*1*
Terphenyl-d14	*76*		*36 - 134*	*02/23/15 07:10*	*02/24/15 03:20*	*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		02/26/15 09:40	02/27/15 04:38	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 04:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 04:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 04:38	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:38	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:38	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:38	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 04:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 04:38	1
Manganese	**0.67**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:38	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:38	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 04:38	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:38	1
Zinc	**0.021**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.043**	**J**	0.050	0.010	mg/L		02/25/15 10:15	02/26/15 06:07	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 06:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 06:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 06:07	1
Chromium	**0.055**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:07	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:07	1
Copper	**0.12**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:07	1
Iron	**80**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 06:07	1
Lead	**0.039**		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 17:32	1
Manganese	**0.40**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:07	1
Nickel	**0.085**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:07	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 06:07	1

Client Sample ID: VB-3(5-10)-021815
Date Collected: 02/18/15 10:05
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:07	1
Zinc	0.33	B	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 06:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J B	1.1	0.23	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Arsenic	11		0.55	0.25	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Barium	40		0.55	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Beryllium	0.47		0.22	0.047	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Cadmium	0.31		0.11	0.032	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Calcium	84000		110	35	mg/Kg	☼	02/22/15 18:41	02/24/15 14:13	10
Chromium	13		0.55	0.094	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Cobalt	10		0.27	0.062	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Copper	25		0.55	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Iron	21000		11	4.2	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Lead	13		0.27	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Magnesium	42000		5.5	2.2	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Manganese	440		0.55	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Nickel	24		0.55	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Potassium	2400		27	4.5	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Sodium	520		55	7.2	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Thallium	1.4		0.55	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Vanadium	16		0.27	0.080	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1
Zinc	49	B	1.1	0.35	mg/Kg	☼	02/22/15 18:41	02/23/15 21:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 09:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	18	6.2	ug/Kg	☼	02/23/15 15:00	02/24/15 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.76		0.200	0.200	SU			02/23/15 11:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(10-15)-021815
Date Collected: 02/18/15 10:10
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-6
Matrix: Solid
Percent Solids: 86.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.6		5.8	2.5	ug/Kg	☼		02/21/15 01:31	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		02/21/15 01:31	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		02/21/15 01:31	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		02/21/15 01:31	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		02/21/15 01:31	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		02/21/15 01:31	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		02/21/15 01:31	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		02/21/15 01:31	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		02/21/15 01:31	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		02/21/15 01:31	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		02/21/15 01:31	1
cis-1,2-Dichloroethene	<5.8		5.8	0.81	ug/Kg	☼		02/21/15 01:31	1
cis-1,3-Dichloropropene	<5.8		5.8	0.75	ug/Kg	☼		02/21/15 01:31	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		02/21/15 01:31	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		02/21/15 01:31	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		02/21/15 01:31	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		02/21/15 01:31	1
1,2-Dichloropropane	<5.8		5.8	0.87	ug/Kg	☼		02/21/15 01:31	1
1,3-Dichloropropene, Total	<5.8		5.8	0.75	ug/Kg	☼		02/21/15 01:31	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		02/21/15 01:31	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		02/21/15 01:31	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		02/21/15 01:31	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		02/21/15 01:31	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		02/21/15 01:31	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		02/21/15 01:31	1
Styrene	<5.8		5.8	0.75	ug/Kg	☼		02/21/15 01:31	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		02/21/15 01:31	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		02/21/15 01:31	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		02/21/15 01:31	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		02/21/15 01:31	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		02/21/15 01:31	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		02/21/15 01:31	1
1,1,2-Trichloroethane	<5.8		5.8	0.78	ug/Kg	☼		02/21/15 01:31	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		02/21/15 01:31	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		02/21/15 01:31	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		02/21/15 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*02/21/15 01:31*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*02/21/15 01:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*02/21/15 01:31*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*02/21/15 01:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(10-15)-021815
Date Collected: 02/18/15 10:10
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-6
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2-Methylnaphthalene	**16**	**J**	37	6.9	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2-Methylphenol	<190		190	60	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Anthracene	<37		37	6.2	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Carbazole	<190		190	96	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Chrysene	<37		37	10	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Di-n-octyl phthalate	**220**		190	61	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Fluorene	<37		37	5.2	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Hexachloroethane	<190		190	57	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-3(10-15)-021815
Date Collected: 02/18/15 10:10
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-6
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Isophorone	<190		190	42	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Naphthalene	<37		37	5.7	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Phenanthrene	**41**		37	5.2	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Phenol	<190		190	83	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1
Pyrene	**22**	**J**	37	7.4	ug/Kg	☼	02/23/15 07:10	02/25/15 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*02/23/15 07:10*	*02/25/15 15:06*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*02/23/15 07:10*	*02/25/15 15:06*	*1*
2-Fluorophenol	*60*		*25 - 110*	*02/23/15 07:10*	*02/25/15 15:06*	*1*
Nitrobenzene-d5	*57*		*25 - 115*	*02/23/15 07:10*	*02/25/15 15:06*	*1*
Phenol-d5	*64*		*31 - 110*	*02/23/15 07:10*	*02/25/15 15:06*	*1*
Terphenyl-d14	*118*		*36 - 134*	*02/23/15 07:10*	*02/25/15 15:06*	*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		02/26/15 09:40	02/27/15 04:44	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 04:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 04:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 04:44	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:44	1
Cobalt	**0.041**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:44	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:44	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 04:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 04:44	1
Manganese	**2.0**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:44	1
Nickel	**0.092**		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:44	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 04:44	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:44	1
Zinc	**0.037**	**J**	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 04:44	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		02/25/15 10:15	02/26/15 06:13	1
Barium	**0.18**	**J**	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 06:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 06:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 06:13	1
Chromium	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:13	1
Cobalt	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:13	1
Copper	**0.030**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:13	1
Iron	**1.5**		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 06:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 17:36	1
Manganese	**0.031**		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:13	1
Nickel	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:13	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 06:13	1

Client Sample ID: VB-3(10-15)-021815
Date Collected: 02/18/15 10:10
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:13	1
Zinc	**0.17**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 06:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.52**	**J B**	1.1	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Arsenic	**7.1**		0.57	0.26	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Barium	**20**		0.57	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Beryllium	**0.41**		0.23	0.050	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Cadmium	**0.24**		0.11	0.033	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Calcium	**120000**		110	37	mg/Kg	☼	02/22/15 18:41	02/24/15 14:17	10
Chromium	**11**		0.57	0.098	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Cobalt	**6.5**		0.29	0.065	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Copper	**20**		0.57	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Iron	**16000**		11	4.4	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Lead	**9.5**		0.29	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Magnesium	**55000**		5.7	2.3	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Manganese	**570**		0.57	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Nickel	**18**		0.57	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Potassium	**2500**		29	4.7	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Sodium	**690**		57	7.6	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Thallium	**0.92**		0.57	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Vanadium	**13**		0.29	0.084	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1
Zinc	**35**	**B**	1.1	0.36	mg/Kg	☼	02/22/15 18:41	02/23/15 21:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**	**J**	18	6.2	ug/Kg	☼	02/23/15 15:00	02/24/15 10:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.89**		0.200	0.200	SU			02/23/15 11:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-4(0-4)-021815
Date Collected: 02/18/15 10:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-7
Matrix: Solid
Percent Solids: 86.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		02/21/15 01:55	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		02/21/15 01:55	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		02/21/15 01:55	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		02/21/15 01:55	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		02/21/15 01:55	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		02/21/15 01:55	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		02/21/15 01:55	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		02/21/15 01:55	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		02/21/15 01:55	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		02/21/15 01:55	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		02/21/15 01:55	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		02/21/15 01:55	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		02/21/15 01:55	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		02/21/15 01:55	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		02/21/15 01:55	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		02/21/15 01:55	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		02/21/15 01:55	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		02/21/15 01:55	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		02/21/15 01:55	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		02/21/15 01:55	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		02/21/15 01:55	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		02/21/15 01:55	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		02/21/15 01:55	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		02/21/15 01:55	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		02/21/15 01:55	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		02/21/15 01:55	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		02/21/15 01:55	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		02/21/15 01:55	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		02/21/15 01:55	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		02/21/15 01:55	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		02/21/15 01:55	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		02/21/15 01:55	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		02/21/15 01:55	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		02/21/15 01:55	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		02/21/15 01:55	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		02/21/15 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*02/21/15 01:55*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*02/21/15 01:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*02/21/15 01:55*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/21/15 01:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1900		1900	400	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
1,2-Dichlorobenzene	<1900		1900	440	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
1,3-Dichlorobenzene	<1900		1900	420	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
1,4-Dichlorobenzene	<1900		1900	480	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2,2'-oxybis[1-chloropropane]	<1900		1900	430	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-4(0-4)-021815
Date Collected: 02/18/15 10:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-7
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<3700		3700	850	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2,4,6-Trichlorophenol	<3700		3700	1300	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2,4-Dichlorophenol	<3700		3700	880	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2,4-Dimethylphenol	<3700		3700	1400	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2,4-Dinitrophenol	<7500		7500	6600	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2,4-Dinitrotoluene	<1900		1900	590	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2,6-Dinitrotoluene	<1900		1900	730	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2-Chloronaphthalene	<1900		1900	410	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2-Chlorophenol	<1900		1900	640	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2-Methylnaphthalene	**540**		370	68	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2-Methylphenol	<1900		1900	600	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2-Nitroaniline	<1900		1900	500	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
2-Nitrophenol	<3700		3700	880	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
3 & 4 Methylphenol	<1900		1900	620	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
3,3'-Dichlorobenzidine	<1900		1900	520	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
3-Nitroaniline	<3700		3700	1200	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
4,6-Dinitro-2-methylphenol	<3700		3700	3000	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
4-Bromophenyl phenyl ether	<1900		1900	490	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
4-Chloro-3-methylphenol	<3700		3700	1300	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
4-Chloroaniline	<7500		7500	1700	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
4-Chlorophenyl phenyl ether	<1900		1900	430	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
4-Nitroaniline	<3700		3700	1600	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
4-Nitrophenol	<7500		7500	3500	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Acenaphthene	**820**		370	67	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Acenaphthylene	<370		370	49	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Anthracene	**800**		370	62	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Benzo[a]anthracene	**1300**		370	50	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Benzo[a]pyrene	**1100**		370	72	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Benzo[b]fluoranthene	**1700**		370	80	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Benzo[g,h,i]perylene	**700**		370	120	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Benzo[k]fluoranthene	**660**		370	110	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Bis(2-chloroethoxy)methane	<1900		1900	380	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Bis(2-chloroethyl)ether	<1900		1900	560	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Bis(2-ethylhexyl) phthalate	<1900		1900	680	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Butyl benzyl phthalate	<1900		1900	710	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Carbazole	<1900		1900	960	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Chrysene	**1300**		370	100	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Dibenz(a,h)anthracene	<370		370	72	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Dibenzofuran	**530**	**J**	1900	440	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Diethyl phthalate	<1900		1900	630	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Dimethyl phthalate	<1900		1900	490	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Di-n-butyl phthalate	<1900		1900	570	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Di-n-octyl phthalate	<1900		1900	610	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Fluoranthene	**3200**		370	69	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Fluorene	**970**		370	52	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Hexachlorobenzene	<750		750	86	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Hexachlorobutadiene	<1900		1900	580	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Hexachlorocyclopentadiene	<7500		7500	2100	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Hexachloroethane	<1900		1900	570	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-4(0-4)-021815
Date Collected: 02/18/15 10:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-7
Matrix: Solid
Percent Solids: 86.7

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	560		370	96	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Isophorone	<1900		1900	420	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Naphthalene	540		370	57	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Nitrobenzene	<370		370	93	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
N-Nitrosodi-n-propylamine	<1900		1900	450	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
N-Nitrosodiphenylamine	<1900		1900	440	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Pentachlorophenol	<7500		7500	6000	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Phenanthrene	4400		370	52	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Phenol	<1900		1900	830	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10
Pyrene	3500		370	74	ug/Kg	☼	02/23/15 07:10	02/25/15 15:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*35 - 137*	*02/23/15 07:10*	*02/25/15 15:24*	*10*
2-Fluorobiphenyl	*78*		*25 - 119*	*02/23/15 07:10*	*02/25/15 15:24*	*10*
2-Fluorophenol	*65*		*25 - 110*	*02/23/15 07:10*	*02/25/15 15:24*	*10*
Nitrobenzene-d5	*58*		*25 - 115*	*02/23/15 07:10*	*02/25/15 15:24*	*10*
Phenol-d5	*75*		*31 - 110*	*02/23/15 07:10*	*02/25/15 15:24*	*10*
Terphenyl-d14	*125*		*36 - 134*	*02/23/15 07:10*	*02/25/15 15:24*	*10*

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		02/26/15 09:40	02/27/15 04:51	1
Barium	0.47	J	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 04:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 04:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 04:51	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:51	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:51	1
Copper	0.031		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:51	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 04:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 04:51	1
Manganese	0.017	J	0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:51	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:51	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 04:51	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:51	1
Zinc	0.030	J	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.025	J	0.050	0.010	mg/L		02/25/15 10:15	02/26/15 06:38	1
Barium	0.35	J	0.50	0.050	mg/L		02/25/15 10:15	02/26/15 06:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 06:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 06:38	1
Chromium	0.052		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:38	1
Cobalt	0.016	J	0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:38	1
Copper	0.088		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:38	1
Iron	55		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 06:38	1
Lead	0.022		0.0075	0.0075	mg/L		02/25/15 10:15	02/26/15 18:00	1
Manganese	0.22		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:38	1
Nickel	0.057		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:38	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 06:38	1

Client Sample ID: VB-4(0-4)-021815
Date Collected: 02/18/15 10:30
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:38	1
Zinc	**0.27**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 06:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.59**	**J B**	1.1	0.23	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Arsenic	**8.6**		0.56	0.26	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Barium	**52**		0.56	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Beryllium	**0.54**		0.22	0.048	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Cadmium	**0.29**		0.11	0.032	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Calcium	**81000**		110	36	mg/Kg	☼	02/22/15 18:41	02/24/15 14:21	10
Chromium	**15**		0.56	0.095	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Cobalt	**9.0**		0.28	0.063	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Copper	**21**		0.56	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Iron	**19000**		11	4.3	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Lead	**13**		0.28	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Magnesium	**35000**		5.6	2.3	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Manganese	**400**		0.56	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Nickel	**22**		0.56	0.15	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Potassium	**2500**		28	4.5	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Selenium	<0.56	L	0.56	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Sodium	**270**		56	7.3	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Thallium	**0.84**		0.56	0.27	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Vanadium	**19**		0.28	0.081	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1
Zinc	**40**	**B**	1.1	0.35	mg/Kg	☼	02/22/15 18:41	02/23/15 21:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**		18	6.3	ug/Kg	☼	02/23/15 15:00	02/24/15 10:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.04**		0.200	0.200	SU			02/23/15 11:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-5(0-4)-021815
Date Collected: 02/18/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-8
Matrix: Solid
Percent Solids: 83.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/21/15 02:19	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		02/21/15 02:19	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 02:19	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/21/15 02:19	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/21/15 02:19	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		02/21/15 02:19	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 02:19	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/21/15 02:19	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 02:19	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/21/15 02:19	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 02:19	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		02/21/15 02:19	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 02:19	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/21/15 02:19	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		02/21/15 02:19	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/21/15 02:19	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		02/21/15 02:19	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/21/15 02:19	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 02:19	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 02:19	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/21/15 02:19	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 02:19	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/21/15 02:19	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/21/15 02:19	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/21/15 02:19	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		02/21/15 02:19	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/21/15 02:19	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		02/21/15 02:19	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/21/15 02:19	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		02/21/15 02:19	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/21/15 02:19	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		02/21/15 02:19	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		02/21/15 02:19	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		02/21/15 02:19	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/21/15 02:19	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/21/15 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*02/21/15 02:19*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*02/21/15 02:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*02/21/15 02:19*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*02/21/15 02:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<990		990	210	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
1,2-Dichlorobenzene	<990		990	230	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
1,3-Dichlorobenzene	<990		990	220	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
1,4-Dichlorobenzene	<990		990	250	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2,2'-oxybis[1-chloropropane]	<990		990	230	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-5(0-4)-021815
Date Collected: 02/18/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-8
Matrix: Solid
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<2000		2000	450	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2,4,6-Trichlorophenol	<2000		2000	670	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2,4-Dichlorophenol	<2000		2000	470	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2,4-Dimethylphenol	<2000		2000	750	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2,4-Dinitrophenol	<4000		4000	3500	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2,4-Dinitrotoluene	<990		990	310	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2,6-Dinitrotoluene	<990		990	390	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2-Chloronaphthalene	<990		990	220	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2-Chlorophenol	<990		990	340	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2-Methylnaphthalene	<200		200	36	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2-Methylphenol	<990		990	320	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2-Nitroaniline	<990		990	260	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
2-Nitrophenol	<2000		2000	460	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
3 & 4 Methylphenol	<990		990	330	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
3,3'-Dichlorobenzidine	<990		990	280	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
3-Nitroaniline	<2000		2000	610	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
4,6-Dinitro-2-methylphenol	<2000		2000	1600	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
4-Bromophenyl phenyl ether	<990		990	260	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
4-Chloro-3-methylphenol	<2000		2000	670	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
4-Chloroaniline	<4000		4000	920	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
4-Chlorophenyl phenyl ether	<990		990	230	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
4-Nitroaniline	<2000		2000	820	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
4-Nitrophenol	<4000		4000	1900	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Acenaphthene	<200		200	35	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Acenaphthylene	<200		200	26	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Anthracene	**110**	**J**	200	33	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Benzo[a]anthracene	**930**		200	26	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Benzo[a]pyrene	**1000**		200	38	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Benzo[b]fluoranthene	**1500**		200	42	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Benzo[g,h,i]perylene	**700**		200	63	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Benzo[k]fluoranthene	**510**		200	58	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Bis(2-chloroethoxy)methane	<990		990	200	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Bis(2-chloroethyl)ether	<990		990	290	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Bis(2-ethylhexyl) phthalate	<990		990	360	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Butyl benzyl phthalate	<990		990	370	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Carbazole	<990		990	510	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Chrysene	**1100**		200	54	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Dibenz(a,h)anthracene	**180**	**J**	200	38	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Dibenzofuran	<990		990	230	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Diethyl phthalate	<990		990	330	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Dimethyl phthalate	<990		990	260	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Di-n-butyl phthalate	<990		990	300	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Di-n-octyl phthalate	<990		990	320	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Fluoranthene	**1800**		200	36	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Fluorene	<200		200	28	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Hexachlorobenzene	<400		400	46	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Hexachlorobutadiene	<990		990	310	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Hexachlorocyclopentadiene	<4000		4000	1100	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Hexachloroethane	<990		990	300	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Client Sample ID: VB-5(0-4)-021815
Date Collected: 02/18/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-8
Matrix: Solid
Percent Solids: 83.0

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	580		200	51	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Isophorone	<990		990	220	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Naphthalene	<200		200	30	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Nitrobenzene	<200		200	49	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
N-Nitrosodi-n-propylamine	<990		990	240	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
N-Nitrosodiphenylamine	<990		990	230	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Pentachlorophenol	<4000		4000	3200	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Phenanthrene	430		200	27	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Phenol	<990		990	440	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5
Pyrene	1700		200	39	ug/Kg	☼	02/23/15 07:10	02/25/15 15:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 137*	*02/23/15 07:10*	*02/25/15 15:42*	*5*
2-Fluorobiphenyl	*73*		*25 - 119*	*02/23/15 07:10*	*02/25/15 15:42*	*5*
2-Fluorophenol	*66*		*25 - 110*	*02/23/15 07:10*	*02/25/15 15:42*	*5*
Nitrobenzene-d5	*58*		*25 - 115*	*02/23/15 07:10*	*02/25/15 15:42*	*5*
Phenol-d5	*67*		*31 - 110*	*02/23/15 07:10*	*02/25/15 15:42*	*5*
Terphenyl-d14	*86*		*36 - 134*	*02/23/15 07:10*	*02/25/15 15:42*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/26/15 09:40	02/27/15 04:57	1
Barium	0.45	J	0.50	0.050	mg/L		02/26/15 09:40	02/27/15 04:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/26/15 09:40	02/27/15 04:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/26/15 09:40	02/27/15 04:57	1
Chromium	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:57	1
Cobalt	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:57	1
Copper	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:57	1
Iron	<0.20		0.20	0.20	mg/L		02/26/15 09:40	02/27/15 04:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/26/15 09:40	02/27/15 04:57	1
Manganese	0.085		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:57	1
Nickel	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:57	1
Selenium	<0.050		0.050	0.020	mg/L		02/26/15 09:40	02/27/15 04:57	1
Silver	<0.025		0.025	0.010	mg/L		02/26/15 09:40	02/27/15 04:57	1
Zinc	0.024	J	0.10	0.020	mg/L		02/26/15 09:40	02/27/15 04:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.045	J	0.050	0.010	mg/L		02/25/15 10:15	02/26/15 06:45	1
Barium	0.57		0.50	0.050	mg/L		02/25/15 10:15	02/26/15 06:45	1
Beryllium	0.0042		0.0040	0.0040	mg/L		02/25/15 10:15	02/26/15 06:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/25/15 10:15	02/26/15 06:45	1
Chromium	0.093		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:45	1
Cobalt	0.026		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:45	1
Copper	0.12		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:45	1
Iron	100		0.20	0.20	mg/L		02/25/15 10:15	02/26/15 06:45	1
Lead	0.067		0.038	0.038	mg/L		02/25/15 10:15	02/27/15 04:19	5
Manganese	0.58		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:45	1
Nickel	0.095		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:45	1
Selenium	<0.050		0.050	0.020	mg/L		02/25/15 10:15	02/26/15 06:45	1

Client Sample ID: VB-5(0-4)-021815
Date Collected: 02/18/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92467-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/25/15 10:15	02/26/15 06:45	1
Zinc	**0.40**	**B**	0.10	0.020	mg/L		02/25/15 10:15	02/26/15 06:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.58**	**J B**	1.1	0.24	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Arsenic	**6.8**		0.57	0.26	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Barium	**85**		0.57	0.10	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Beryllium	**0.59**		0.23	0.050	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Cadmium	**0.29**		0.11	0.033	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Calcium	**39000**		11	3.7	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Chromium	**15**		0.57	0.098	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Cobalt	**7.3**		0.29	0.065	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Copper	**15**		0.57	0.12	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Iron	**16000**		11	4.4	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Lead	**18**		0.29	0.14	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Magnesium	**24000**		5.7	2.3	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Manganese	**470**		0.57	0.11	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Nickel	**15**		0.57	0.16	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Potassium	**2000**		29	4.7	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Sodium	**630**		57	7.6	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Thallium	**0.88**		0.57	0.28	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Vanadium	**24**		0.29	0.084	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1
Zinc	**45**	**B**	1.1	0.36	mg/Kg	☼	02/22/15 18:41	02/23/15 21:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/26/15 12:00	02/27/15 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/25/15 12:00	02/26/15 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		17	6.0	ug/Kg	☼	02/23/15 15:00	02/24/15 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.36**		0.200	0.200	SU			02/23/15 11:45	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
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.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92467-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.53

500-92467 COC

(optional)

Report To
Contact: Sr Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle #202
Address: Mundelein, IL 60060
Phone:
Fax:
E-Mail: Babu.Babusukumar@westonsolutions.com

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference# 60rm

Chain of Custody Record

Lab Job #: 500-92467

Chain of Custody Number:

Page 1 of 6

Temperature °C of Cooler: 3.2, 2.8, 3.4

Client: Weston Solutions
Client Project #: 002
Project Name: IDOT - Route 34 - 002
Project Location/State: Naperville, IL
Lab Project #: 500010634
Sampler: D. Sena
Lab PM: R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	pH	VOCs	SVOCs	metals	TCLP/SPLP metals	pH				
1		VB-1 (0-4) -021815	2-18-15	9:30	2	SO		X	X	X	X	X					
2		VB-2 (0-4) -021815		9:50													
3		VB-2 (0-4) -021815D		9:50													
4		VB-3 (0-5) -021815		10:00													
5		VB-3 (5-10) -021815		10:05													
6		VB-3 (10-15) -021815		10:10													
7		VB-4 (0-4) -021815		10:30													
8		VB-5 (0-4) -021815		10:50													
9		R19-1 (0-4) -021815		11:05													
10		R19-2 (0-4) -021815	2-18-15	11:15	2	SO		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Stnd 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
David Sena	Weston	2-19-15	13:50		TA	2/19/15	1350
	TA	2/19/15	1500	Sherri Dotta-CRT		2/19/15	1500

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
Pre-made labels indicated site was in Winnetka, but IDOT 002 is in Naperville

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: 500-118244-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/17/2016 4:06:53 PM

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

Client Sample ID: VB-5(4-9)-100616

Date Collected: 10/06/16 14:50
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-19

Matrix: Solid
Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	3.1	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Benzene	<4.0		4.0	0.88	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Bromodichloromethane	<4.0		4.0	0.67	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Bromoform	<4.0		4.0	0.81	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Carbon disulfide	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Carbon tetrachloride	<4.0		4.0	0.85	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Chlorobenzene	<4.0		4.0	0.94	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Chloroethane	<4.0		4.0	1.7	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Chloroform	<4.0		4.0	0.77	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Chloromethane	<4.0		4.0	0.95	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
cis-1,2-Dichloroethene	<4.0		4.0	0.81	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
cis-1,3-Dichloropropene	<4.0		4.0	0.91	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Dibromochloromethane	<4.0		4.0	0.46	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
1,1-Dichloroethane	<4.0		4.0	0.82	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
1,2-Dichloroethane	<4.0		4.0	0.59	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
1,1-Dichloroethene	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
1,2-Dichloropropane	<4.0		4.0	1.0	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
1,3-Dichloropropene, Total	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Ethylbenzene	<4.0		4.0	0.98	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Methylene Chloride	<4.0		4.0	3.0	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Methyl Ethyl Ketone	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
methyl isobutyl ketone	<4.0		4.0	0.82	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Methyl tert-butyl ether	<4.0		4.0	0.94	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Styrene	<4.0		4.0	0.93	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
1,1,2,2-Tetrachloroethane	<4.0		4.0	0.63	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Tetrachloroethene	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Toluene	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
trans-1,2-Dichloroethene	<4.0		4.0	0.99	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
trans-1,3-Dichloropropene	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
1,1,1-Trichloroethane	<4.0		4.0	0.92	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
1,1,2-Trichloroethane	<4.0		4.0	0.77	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Trichloroethene	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Vinyl chloride	<4.0		4.0	0.95	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1
Xylenes, Total	<7.9		7.9	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 120*	*10/06/16 17:20*	*10/13/16 15:13*	*1*
Dibromofluoromethane	*115*		*75 - 120*	*10/06/16 17:20*	*10/13/16 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*69 - 134*	*10/06/16 17:20*	*10/13/16 15:13*	*1*
Toluene-d8 (Surr)	*98*		*75 - 123*	*10/06/16 17:20*	*10/13/16 15:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1

Client Sample ID: VB-5(4-9)-100616
Date Collected: 10/06/16 14:50
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-19
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Carbazole	<190		190	95	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Chrysene	<38		38	10	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1

Client Sample ID: VB-5(4-9)-100616
Date Collected: 10/06/16 14:50
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-19
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Isophorone	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Phenol	<190		190	85	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1
Pyrene	<38		38	7.6	ug/Kg	☼	10/07/16 07:24	10/08/16 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*25 - 130*	*10/07/16 07:24*	*10/08/16 03:33*	*1*
2-Fluorobiphenyl	*88*		*42 - 115*	*10/07/16 07:24*	*10/08/16 03:33*	*1*
2-Fluorophenol	*88*		*40 - 130*	*10/07/16 07:24*	*10/08/16 03:33*	*1*
Nitrobenzene-d5	*90*		*33 - 124*	*10/07/16 07:24*	*10/08/16 03:33*	*1*
Phenol-d5	*67*		*36 - 123*	*10/07/16 07:24*	*10/08/16 03:33*	*1*
Terphenyl-d14	*152*	*X*	*25 - 150*	*10/07/16 07:24*	*10/08/16 03:33*	*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		10/14/16 14:13	10/16/16 04:53	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:53	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:53	1
Cobalt	**0.028**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:53	1
Copper	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:53	1
Iron	<0.40		0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:53	1
Manganese	**3.0**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:53	1
Nickel	**0.031**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:53	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:53	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.089**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 05:11	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 05:11	1
Beryllium	**0.0057**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 05:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 05:11	1
Chromium	**0.12**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:11	1
Cobalt	**0.043**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:11	1
Copper	**0.22**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:11	1
Iron	**160**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 05:11	1
Lead	**0.054**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 05:11	1
Manganese	**0.48**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:11	1
Nickel	**0.15**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 05:11	1

Client Sample ID: VB-5(4-9)-100616
Date Collected: 10/06/16 14:50
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-19
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:11	1
Zinc	**0.38**	**J ^**	0.50	0.020	mg/L		10/14/16 14:15	10/16/16 05:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Arsenic	**9.6**		0.57	0.26	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Barium	**36**		0.57	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Beryllium	**0.60**		0.23	0.050	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Cadmium	**0.12**		0.11	0.033	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Calcium	**62000**	**B**	110	37	mg/Kg	☼	10/13/16 08:27	10/14/16 20:47	10
Chromium	**16**	**B**	0.57	0.099	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Cobalt	**14**		0.29	0.065	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Copper	**25**		0.57	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Iron	**21000**	**B**	11	4.4	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Lead	**15**		0.29	0.14	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Magnesium	**28000**		5.7	2.3	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Manganese	**280**		0.57	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Nickel	**31**		0.57	0.16	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Potassium	**1800**		29	4.7	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Sodium	**390**		57	7.6	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Thallium	**0.81**		0.57	0.28	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Vanadium	**18**		0.29	0.084	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1
Zinc	**63**		1.1	0.36	mg/Kg	☼	10/13/16 08:27	10/14/16 02:30	1

Method: 7470A - Mercury (CVAA) - TCLP

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		17	9.0	ug/Kg	☼	10/11/16 15:45	10/12/16 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			10/11/16 08:06	1

Client Sample ID: VB-5(9-15)-100616

Date Collected: 10/06/16 15:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-20

Matrix: Solid
Percent Solids: 81.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	3.1	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Benzene	<4.0		4.0	0.88	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Bromodichloromethane	<4.0		4.0	0.67	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Bromoform	<4.0		4.0	0.81	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Carbon disulfide	<4.0		4.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Carbon tetrachloride	<4.0		4.0	0.85	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Chlorobenzene	<4.0		4.0	0.94	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Chloroethane	<4.0		4.0	1.7	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Chloroform	<4.0		4.0	0.78	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Chloromethane	<4.0		4.0	0.96	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
cis-1,2-Dichloroethene	<4.0		4.0	0.81	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
cis-1,3-Dichloropropene	<4.0		4.0	0.91	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Dibromochloromethane	<4.0		4.0	0.46	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
1,1-Dichloroethane	<4.0		4.0	0.82	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
1,2-Dichloroethane	<4.0		4.0	0.59	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
1,1-Dichloroethene	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
1,2-Dichloropropane	<4.0		4.0	1.0	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
1,3-Dichloropropene, Total	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Ethylbenzene	<4.0		4.0	0.99	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Methylene Chloride	<4.0		4.0	3.0	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Methyl Ethyl Ketone	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
methyl isobutyl ketone	<4.0		4.0	0.82	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Methyl tert-butyl ether	<4.0		4.0	0.94	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Styrene	<4.0		4.0	0.93	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
1,1,2,2-Tetrachloroethane	<4.0		4.0	0.63	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Tetrachloroethene	<4.0		4.0	0.83	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Toluene	<4.0		4.0	1.4	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
trans-1,2-Dichloroethene	<4.0		4.0	1.0	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
trans-1,3-Dichloropropene	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
1,1,1-Trichloroethane	<4.0		4.0	0.92	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
1,1,2-Trichloroethane	<4.0		4.0	0.77	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Trichloroethene	<4.0		4.0	1.1	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Vinyl chloride	<4.0		4.0	0.95	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1
Xylenes, Total	<8.0		8.0	1.5	ug/Kg	☼	10/06/16 17:20	10/13/16 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*10/06/16 17:20*	*10/13/16 15:37*	*1*
Dibromofluoromethane	*120*		*75 - 120*	*10/06/16 17:20*	*10/13/16 15:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*69 - 134*	*10/06/16 17:20*	*10/13/16 15:37*	*1*
Toluene-d8 (Surr)	*97*		*75 - 123*	*10/06/16 17:20*	*10/13/16 15:37*	*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	☼	10/07/16 07:24	10/08/16 03:58	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Client Sample ID: VB-5(9-15)-100616
Date Collected: 10/06/16 15:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-20
Matrix: Solid
Percent Solids: 81.9

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	88	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
2-Nitrophenol	<380		380	92	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Anthracene	<38		38	6.5	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Benzo[b]fluoranthene	<38		38	8.4	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Carbazole	<190		190	97	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Chrysene	<38		38	11	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1

Client Sample ID: VB-5(9-15)-100616
Date Collected: 10/06/16 15:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-20
Matrix: Solid
Percent Solids: 81.9

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	10	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Isophorone	<190		190	44	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Naphthalene	<38		38	6.0	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Phenol	<190		190	86	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1
Pyrene	<38		38	7.7	ug/Kg	☼	10/07/16 07:24	10/08/16 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*25 - 130*	*10/07/16 07:24*	*10/08/16 03:58*	*1*
2-Fluorobiphenyl	*85*		*42 - 115*	*10/07/16 07:24*	*10/08/16 03:58*	*1*
2-Fluorophenol	*88*		*40 - 130*	*10/07/16 07:24*	*10/08/16 03:58*	*1*
Nitrobenzene-d5	*89*		*33 - 124*	*10/07/16 07:24*	*10/08/16 03:58*	*1*
Phenol-d5	*67*		*36 - 123*	*10/07/16 07:24*	*10/08/16 03:58*	*1*
Terphenyl-d14	*130*		*25 - 150*	*10/07/16 07:24*	*10/08/16 03:58*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/16 14:13	10/16/16 04:59	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		10/14/16 14:13	10/16/16 04:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/16 14:13	10/16/16 04:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/16 14:13	10/16/16 04:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:59	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:59	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:59	1
Iron	**0.58**	**F1**	0.40	0.20	mg/L		10/14/16 14:13	10/16/16 04:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/16 14:13	10/16/16 04:59	1
Manganese	**0.63**		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:13	10/16/16 04:59	1
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:13	10/16/16 04:59	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/16 14:13	10/16/16 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.094**		0.050	0.010	mg/L		10/14/16 14:15	10/16/16 05:15	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		10/14/16 14:15	10/16/16 05:15	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		10/14/16 14:15	10/16/16 05:15	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		10/14/16 14:15	10/16/16 05:15	1
Chromium	**0.15**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:15	1
Cobalt	**0.054**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:15	1
Copper	**0.27**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:15	1
Iron	**210**	**B ***	0.40	0.20	mg/L		10/14/16 14:15	10/16/16 05:15	1
Lead	**0.072**		0.0075	0.0075	mg/L		10/14/16 14:15	10/16/16 05:15	1
Manganese	**0.67**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:15	1
Nickel	**0.22**		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/16 14:15	10/16/16 05:15	1

Client Sample ID: VB-5(9-15)-100616
Date Collected: 10/06/16 15:00
Date Received: 10/06/16 16:10

Lab Sample ID: 500-118244-20
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/16 14:15	10/16/16 05:15	1
Zinc	**0.47**	**J**	0.50	0.020	mg/L		10/14/16 14:15	10/17/16 14:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Arsenic	**8.6**		0.59	0.27	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Barium	**33**		0.59	0.11	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Beryllium	**0.62**		0.24	0.051	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Cadmium	**0.16**		0.12	0.034	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Calcium	**77000**	**B**	120	38	mg/Kg	☼	10/13/16 08:27	10/14/16 20:51	10
Chromium	**15**	**B**	0.59	0.10	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Cobalt	**9.4**		0.30	0.067	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Copper	**24**		0.59	0.13	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Iron	**20000**	**B**	12	4.6	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Lead	**14**		0.30	0.15	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Magnesium	**30000**		5.9	2.4	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Manganese	**270**		0.59	0.12	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Nickel	**29**		0.59	0.16	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Potassium	**2000**		30	4.8	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Sodium	**320**		59	7.8	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Thallium	**0.41**	**J**	0.59	0.29	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Vanadium	**18**		0.30	0.086	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1
Zinc	**59**		1.2	0.37	mg/Kg	☼	10/13/16 08:27	10/14/16 02:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/14/16 16:00	10/16/16 09:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		18	9.6	ug/Kg	☼	10/11/16 15:45	10/12/16 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			10/11/16 08:36	1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-118244-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60[illegible]
Phone: 708.534.5200 Fax: 708.534.[illegible]

500-118244 COC

Report To (optional)

Contact: S. Babusukumar
Company: Weston Solutions, Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

Bill To (optional)

Contact:
Company:
Address: Same
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8, 3.3

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		DR-6(4-9)-100616	10-6-16	0855	6	S	X	X	X	X	X					
2		DR-6(9-15)-100616		0910	6	S	X	X	X	X	X					
3		DR-6(9-15)-100616 D		0910	6	S	X	X	X	X	X					
4		DR-8(4-9)-100616		0950	6	S	X	X	X	X	X					
5		DR-8(9-15)-100616		1000	6	S	X	X	X	X	X					
6		DR-7(4-9)-100616		1025	6	S	X	X	X	X	X					
7		DR-7(9-15)-100616		1035	6	S	X	X	X	X	X					
8		CC-3(4-10)-100616		1100	6	S	X	X	X	X	X					
9		CC-1-(4-10)-100616		1125	6	S	X	X	X	X	X					
10		TC-4(4-9)-100616	10-6-16	1155	6	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
T. Walls	Weston	10-6-16	1505	David Becker	TA	10-6-16	1505
David Becker	TA	10/6/16	1610	Shawn Scott	TA-CHI	10/6/16	1610

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1208)

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. Babuswkumar
Company: Weston Solution, Inc
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-118244
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 002
Project Location/State: Naperville/IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		TC-4(9-15)-100616	10-6-16	1205	6	S		X	X	X	X	X	
12		OP-1(0-4)-100616		1300	6	S		X	X	X	X	X	
13		OP-1(4-9)-100616		1310	6	S		X	X	X	X	X	
14		CB-1(0-5)-100616		1315	6	S		X	X	X	X	X	
15		CB-1(5-10)-100616		1320	6	S		X	X	X	X	X	
16		SA-5(4-8)-100616		~~1355~~ 1405	6	S		X	X	X	X	X	Sample time = 1405
17		R18-3(4-7)-100616		1425	6	S		X	X	X	X	X	
18		R18-3(4-7)-100616D		1425	6	S		X	X	X	X	X	
19		VB-5(4-9)-100616		1450	6	S		X	X	X	X	X	
20		VB-5(9-15)-100616	10-6-16	1500	6	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	10-6-16	1505	David Becker	TA	10/6/16	1505
David Becker	TA	10-6-16	1610	Allen Scott	TA-CHI	10/6/16	1610
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
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 311: US 34 (Ogden Ave) at Columbia Ave Office Phone Number, if available: _____

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

850 East Ogden Avenue (ISGS SITE No. 2619V-30)

City: Naperville State: IL Zip Code: 60563

County: DuPage Township: _____

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

Latitude: 41.785842618 (Decimal Degrees) Longitude: -88.136586968 (-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 311: US 34 (Ogden Ave) at Columbia Ave

Latitude: 41.785842618 Longitude: -88.136586968

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION VL-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2619V-30. 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: 500-92469-1
ALSO SEE FIGURE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Plaza Circle, Ste. 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 April 2017
Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 2619V-30
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Field Sample ID	VL-1(0-5)-021915	VL-1(5-10)-021915	VL-1(5-10)-021915D	VL-1(10-15)-021915	Soil Reference Concentrations[A]
Sample Date	2/19/2015	2/19/2015	2/19/2015	2/19/2015	
Location ID	VL-1	VL-1	VL-1	VL-1	
Depth	0 - 5	5 - 10	5 - 10	10 - 15	
ISGS Site No.	2619V-30	2619V-30	2619V-30	2619V-30	
Parameter					
Laboratory pH	7.92	7.73	7.74	7.52	<6.25, >9.0
VOCs (ug/kg)					
Acetone	160	ND	ND	ND	25000
Methyl ethyl ketone	32	ND	ND	ND	--
SVOCs (ug/kg)					
2-Methylnaphthalene	96	ND	ND	ND	--
Acenaphthene	84	ND	ND	ND	570000
Acenaphthylene	150	ND	ND	ND	--
Anthracene	340	ND	ND	ND	1.20E+07
Benzo(a)anthracene	810	ND	ND	10 J	900 / 1100 / 1800
Benzo(a)pyrene	750	ND	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	870	ND	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	460	ND	ND	ND	--
Benzo(k)fluoranthene	510	ND	ND	ND	9000
Chrysene	760	ND	ND	11 J	88000
Dibenzo(a,h)anthracene	180	ND	ND	ND	90 / 200 / 420
Dibenzofuran	120 J	ND	ND	ND	--
Di-N-Octyl phthalate	520	240 J	420 J	530	1600000
Fluoranthene	1600	ND	7 J	ND	3100000
Fluorene	230	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	420	ND	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	230	9 J	16 J	ND	1800
Phenanthrene	1300	ND	11 J	ND	--
Pyrene	1200	ND	ND	ND	2300000
Total Metals (mg/kg)					
Arsenic, Total	8.4	10	10	7.6	11.3/13.0
Barium, Total	79	38	44	42	1500
Beryllium, Total	0.61	0.33	0.35	0.65	22
Cadmium, Total	0.17 J	0.2 J	0.23 J	0.17 J	5.2
Calcium, Total	38000 J	98000 J	100000 J	74000 J	--
Chromium, Total	15	8.6	9	17	21
Cobalt, Total	8.6	7.4	7.1	13	20
Copper, Total	20 J	25 J	22 J	24 J	2900
Iron, Total	19000 J+	17000 J+	16000 J+	21000 J+	15000/15900
Lead, Total	20 J	11 J	11 J	13 J	107
Magnesium, Total	24000 J	52000 J	54000 J	29000 J	325000
Manganese, Total	590 J-	450 J-	560 J-	450 J-	630
Mercury, Total	0.037	0.018	0.021	0.023	0.89
Nickel, Total	18	18	18	27	100
Potassium, Total	1900 J+	1400 J+	1700 J+	3100 J+	--
Sodium, Total	230	210	230	190	--
Thallium, Total	1.1	0.27 J	0.34 J	ND	2.6
Vanadium, Total	24	11	12	21	550
Zinc, Total	45 J	41 J	38 J	45 J	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.76	0.51	0.5	0.3 J	2
Cobalt, TCLP	0.03	ND	ND	ND	1
Copper, TCLP	ND	0.064 J	ND	0.017 J	0.65
Manganese, TCLP	6.8	0.073 J	0.042 J	1.9	0.15
Nickel, TCLP	0.028	0.012 J	0.011 J	0.013 J	0.1
Zinc, TCLP	0.053 J	0.077 J	0.037 J	0.044 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.053	ND	ND	0.044 J	0.05
Barium, SPLP	0.5	ND	ND	0.31 J	2
Beryllium, SPLP	0.0055	ND	ND	0.0046	0.004
Chromium, SPLP	0.12	ND	ND	0.095	0.1
Cobalt, SPLP	0.035	ND	ND	0.039	1
Copper, SPLP	0.13 B	ND	ND	0.14 B	0.65
Iron, SPLP	110	ND	ND	96	5
Lead, SPLP	0.063	ND	ND	0.054	0.0075
Manganese, SPLP	0.58	ND	ND	0.85	0.15
Nickel, SPLP	0.11	ND	ND	0.12	0.1

Summary Table of ISGS Site No. 2619V-30
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 311: US Route 34 (Ogden Avenue) at Columbia Avenue
Naperville, Dupage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.
ND - Constituent not detected above the reporting limit.
J - Estimated concentration.
J+ - Estimated concentration, biased high.
J- - Estimated concentration, biased low.
Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-92469-1
Client Project/Site: IDOT - US Route 34 - WO 002

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

Attn: Mr. S. Babusukumar

Authorized for release by:
3/2/2015 3:20:17 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(0-5)-021915
Date Collected: 02/19/15 10:45
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-3
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**160**		6.0	2.6	ug/Kg	☼		02/20/15 17:46	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 17:46	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 17:46	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/20/15 17:46	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/20/15 17:46	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 17:46	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 17:46	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/20/15 17:46	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 17:46	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/20/15 17:46	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 17:46	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		02/20/15 17:46	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 17:46	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 17:46	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		02/20/15 17:46	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 17:46	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		02/20/15 17:46	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/20/15 17:46	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 17:46	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 17:46	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/20/15 17:46	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 17:46	1
Methyl Ethyl Ketone	**32**		6.0	2.2	ug/Kg	☼		02/20/15 17:46	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 17:46	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/20/15 17:46	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 17:46	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 17:46	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		02/20/15 17:46	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/20/15 17:46	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 17:46	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 17:46	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 17:46	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 17:46	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		02/20/15 17:46	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 17:46	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/20/15 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*02/20/15 17:46*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*02/20/15 17:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*02/20/15 17:46*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/20/15 17:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(0-5)-021915
Date Collected: 02/19/15 10:45
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-3
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	<390		390	90	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2,4-Dinitrophenol	<800	*	800	700	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2-Methylnaphthalene	**96**		39	7.3	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Acenaphthene	**84**		39	7.1	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Acenaphthylene	**150**		39	5.2	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Anthracene	**340**		39	6.6	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Benzo[a]anthracene	**810**		39	5.3	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Benzo[a]pyrene	**750**		39	7.6	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Benzo[b]fluoranthene	**870**		39	8.5	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Benzo[g,h,i]perylene	**460**		39	13	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Benzo[k]fluoranthene	**510**		39	12	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Carbazole	<200		200	100	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Chrysene	**760**		39	11	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Dibenz(a,h)anthracene	**180**		39	7.6	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Dibenzofuran	**120**	**J**	200	46	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Di-n-octyl phthalate	**520**		200	64	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Fluoranthene	**1600**		39	7.3	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Fluorene	**230**		39	5.6	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(0-5)-021915
Date Collected: 02/19/15 10:45
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-3
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	420		39	10	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Isophorone	<200		200	44	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Naphthalene	230		39	6.1	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Phenanthrene	1300		39	5.5	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Phenol	<200		200	88	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1
Pyrene	1200		39	7.8	ug/Kg	☼	02/20/15 16:50	02/25/15 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 137*	*02/20/15 16:50*	*02/25/15 03:09*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*02/20/15 16:50*	*02/25/15 03:09*	*1*
2-Fluorophenol	*43*		*25 - 110*	*02/20/15 16:50*	*02/25/15 03:09*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*02/20/15 16:50*	*02/25/15 03:09*	*1*
Phenol-d5	*49*		*31 - 110*	*02/20/15 16:50*	*02/25/15 03:09*	*1*
Terphenyl-d14	*70*		*36 - 134*	*02/20/15 16:50*	*02/25/15 03:09*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 10:30	02/28/15 02:20	1
Barium	0.76		0.50	0.050	mg/L		02/27/15 10:30	02/28/15 02:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 10:30	02/28/15 02:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 10:30	02/28/15 02:20	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:20	1
Cobalt	0.030		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:20	1
Copper	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:20	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 10:30	02/28/15 02:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 10:30	02/28/15 02:20	1
Manganese	6.8		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:20	1
Nickel	0.028		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:20	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 10:30	02/28/15 02:20	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:20	1
Zinc	0.053	J	0.10	0.020	mg/L		02/27/15 10:30	02/28/15 02:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		02/27/15 10:30	02/27/15 16:50	1
Barium	0.50		0.50	0.050	mg/L		02/27/15 10:30	02/27/15 16:50	1
Beryllium	0.0055		0.0040	0.0040	mg/L		02/27/15 10:30	02/27/15 16:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 10:30	02/27/15 16:50	1
Chromium	0.12		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 16:50	1
Cobalt	0.035		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 16:50	1
Copper	0.13	B	0.025	0.010	mg/L		02/27/15 10:30	02/27/15 16:50	1
Iron	110		0.20	0.20	mg/L		02/27/15 10:30	02/27/15 16:50	1
Lead	0.063		0.0075	0.0075	mg/L		02/27/15 10:30	02/27/15 16:50	1
Manganese	0.58		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 16:50	1
Nickel	0.11		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 16:50	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 10:30	02/27/15 16:50	1

Client Sample ID: VL-1(0-5)-021915
Date Collected: 02/19/15 10:45
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 16:50	1
Zinc	**0.29**	**B**	0.10	0.020	mg/L		02/27/15 10:30	02/27/15 16:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.62**	**J B**	1.2	0.24	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Arsenic	**8.4**		0.59	0.27	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Barium	**79**		0.59	0.11	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Beryllium	**0.61**		0.24	0.051	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Cadmium	**0.17**		0.12	0.034	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Calcium	**38000**		12	3.8	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Chromium	**15**		0.59	0.10	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Cobalt	**8.6**		0.29	0.067	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Copper	**20**		0.59	0.13	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Iron	**19000**		12	4.5	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Lead	**20**		0.29	0.15	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Magnesium	**24000**		5.9	2.4	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Manganese	**590**		0.59	0.12	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Nickel	**18**		0.59	0.16	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Potassium	**1900**		29	4.8	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Sodium	**230**		59	7.8	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Thallium	**1.1**		0.59	0.29	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Vanadium	**24**		0.29	0.086	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1
Zinc	**45**		1.2	0.37	mg/Kg	☼	02/23/15 09:30	02/24/15 06:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 11:14	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	**37**		18	6.4	ug/Kg	☼	02/23/15 15:00	02/24/15 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.92**		0.200	0.200	SU			02/23/15 15:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(5-10)-021915
Date Collected: 02/19/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-4
Matrix: Solid
Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		02/20/15 18:11	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		02/20/15 18:11	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		02/20/15 18:11	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		02/20/15 18:11	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		02/20/15 18:11	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		02/20/15 18:11	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		02/20/15 18:11	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		02/20/15 18:11	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		02/20/15 18:11	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		02/20/15 18:11	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		02/20/15 18:11	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		02/20/15 18:11	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		02/20/15 18:11	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		02/20/15 18:11	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		02/20/15 18:11	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		02/20/15 18:11	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		02/20/15 18:11	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		02/20/15 18:11	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		02/20/15 18:11	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		02/20/15 18:11	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		02/20/15 18:11	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		02/20/15 18:11	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		02/20/15 18:11	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		02/20/15 18:11	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		02/20/15 18:11	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		02/20/15 18:11	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		02/20/15 18:11	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		02/20/15 18:11	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		02/20/15 18:11	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		02/20/15 18:11	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		02/20/15 18:11	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		02/20/15 18:11	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		02/20/15 18:11	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		02/20/15 18:11	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		02/20/15 18:11	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		02/20/15 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*02/20/15 18:11*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*02/20/15 18:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*02/20/15 18:11*	*1*
Toluene-d8 (Surr)	*103*		*75 - 122*		*02/20/15 18:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(5-10)-021915
Date Collected: 02/19/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-4
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2-Methylphenol	<190		190	60	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Anthracene	<37		37	6.3	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Carbazole	<190		190	97	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Chrysene	<37		37	10	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Di-n-octyl phthalate	**240**		190	61	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Fluorene	<37		37	5.3	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Hexachloroethane	<190		190	57	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(5-10)-021915
Date Collected: 02/19/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-4
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Isophorone	<190		190	42	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Naphthalene	**9.0**	**J**	37	5.8	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Phenol	<190		190	84	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1
Pyrene	<37		37	7.5	ug/Kg	☼	02/20/15 16:50	02/25/15 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*35 - 137*	*02/20/15 16:50*	*02/25/15 00:07*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*02/20/15 16:50*	*02/25/15 00:07*	*1*
2-Fluorophenol	*52*		*25 - 110*	*02/20/15 16:50*	*02/25/15 00:07*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*02/20/15 16:50*	*02/25/15 00:07*	*1*
Phenol-d5	*54*		*31 - 110*	*02/20/15 16:50*	*02/25/15 00:07*	*1*
Terphenyl-d14	*70*		*36 - 134*	*02/20/15 16:50*	*02/25/15 00:07*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 10:30	02/28/15 02:27	1
Barium	**0.51**		0.50	0.050	mg/L		02/27/15 10:30	02/28/15 02:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 10:30	02/28/15 02:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 10:30	02/28/15 02:27	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:27	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:27	1
Copper	**0.064**		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:27	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 10:30	02/28/15 02:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 10:30	02/28/15 02:27	1
Manganese	**0.073**		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:27	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:27	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 10:30	02/28/15 02:27	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:27	1
Zinc	**0.077**	**J**	0.10	0.020	mg/L		02/27/15 10:30	02/28/15 02:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 10:30	02/27/15 17:11	1
Barium	<0.50		0.50	0.050	mg/L		02/27/15 10:30	02/27/15 17:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 10:30	02/27/15 17:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 10:30	02/27/15 17:11	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:11	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:11	1
Copper	**0.011**	**J B**	0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:11	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 10:30	02/27/15 17:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 10:30	02/27/15 17:11	1
Manganese	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:11	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:11	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 10:30	02/27/15 17:11	1

Client Sample ID: VL-1(5-10)-021915
Date Collected: 02/19/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:11	1
Zinc	**0.034**	**J B**	0.10	0.020	mg/L		02/27/15 10:30	02/27/15 17:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.62**	**J B**	1.1	0.22	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Arsenic	**10**		0.54	0.25	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Barium	**38**		0.54	0.099	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Beryllium	**0.33**		0.22	0.047	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Cadmium	**0.20**		0.11	0.031	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Calcium	**98000**		54	17	mg/Kg	☼	02/23/15 09:30	02/24/15 17:15	5
Chromium	**8.6**		0.54	0.093	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Cobalt	**7.4**		0.27	0.061	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Copper	**25**		0.54	0.12	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Iron	**17000**		11	4.2	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Lead	**11**		0.27	0.13	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Magnesium	**52000**		5.4	2.2	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Manganese	**450**		0.54	0.11	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Nickel	**18**		0.54	0.15	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Potassium	**1400**		27	4.4	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Selenium	<2.7		2.7	1.3	mg/Kg	☼	02/23/15 09:30	02/25/15 12:00	5
Silver	<0.27		0.27	0.063	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Sodium	**210**		54	7.1	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Thallium	**0.27**	**J**	0.54	0.26	mg/Kg	☼	02/23/15 09:30	02/24/15 17:10	1
Vanadium	**11**		0.27	0.079	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1
Zinc	**41**		1.1	0.34	mg/Kg	☼	02/23/15 09:30	02/24/15 09:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**		18	6.4	ug/Kg	☼	02/23/15 15:00	02/24/15 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.73**		0.200	0.200	SU			02/23/15 15:15	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(5-10)-021915D
Date Collected: 02/19/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-5
Matrix: Solid
Percent Solids: 88.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		02/20/15 18:35	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		02/20/15 18:35	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		02/20/15 18:35	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		02/20/15 18:35	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		02/20/15 18:35	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		02/20/15 18:35	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		02/20/15 18:35	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		02/20/15 18:35	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		02/20/15 18:35	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		02/20/15 18:35	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		02/20/15 18:35	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		02/20/15 18:35	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	☼		02/20/15 18:35	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		02/20/15 18:35	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		02/20/15 18:35	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		02/20/15 18:35	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		02/20/15 18:35	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		02/20/15 18:35	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	☼		02/20/15 18:35	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		02/20/15 18:35	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		02/20/15 18:35	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		02/20/15 18:35	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		02/20/15 18:35	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		02/20/15 18:35	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		02/20/15 18:35	1
Styrene	<5.7		5.7	0.74	ug/Kg	☼		02/20/15 18:35	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		02/20/15 18:35	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		02/20/15 18:35	1
Toluene	<5.7		5.7	0.79	ug/Kg	☼		02/20/15 18:35	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		02/20/15 18:35	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		02/20/15 18:35	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		02/20/15 18:35	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	☼		02/20/15 18:35	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		02/20/15 18:35	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		02/20/15 18:35	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		02/20/15 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*02/20/15 18:35*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*02/20/15 18:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*02/20/15 18:35*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*02/20/15 18:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(5-10)-021915D
Date Collected: 02/19/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-5
Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2,4-Dinitrophenol	<730	*	730	640	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2-Methylphenol	<180		180	58	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Anthracene	<36		36	6.0	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Carbazole	<180		180	93	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Chrysene	<36		36	9.8	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Dibenzofuran	<180		180	42	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Di-n-octyl phthalate	**420**		180	59	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Fluoranthene	**7.0**	**J**	36	6.7	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Fluorene	<36		36	5.1	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Hexachloroethane	<180		180	55	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(5-10)-021915D
Date Collected: 02/19/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-5
Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Isophorone	<180		180	41	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Naphthalene	**16**	**J**	36	5.6	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Phenanthrene	**11**	**J**	36	5.0	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Phenol	<180		180	80	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1
Pyrene	<36		36	7.2	ug/Kg	☼	02/20/15 16:50	02/25/15 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*35 - 137*	*02/20/15 16:50*	*02/25/15 00:27*	*1*
2-Fluorobiphenyl	*52*		*25 - 119*	*02/20/15 16:50*	*02/25/15 00:27*	*1*
2-Fluorophenol	*48*		*25 - 110*	*02/20/15 16:50*	*02/25/15 00:27*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*02/20/15 16:50*	*02/25/15 00:27*	*1*
Phenol-d5	*54*		*31 - 110*	*02/20/15 16:50*	*02/25/15 00:27*	*1*
Terphenyl-d14	*76*		*36 - 134*	*02/20/15 16:50*	*02/25/15 00:27*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/27/15 10:30	02/28/15 02:48	1
Barium	**0.50**		0.50	0.050	mg/L		02/27/15 10:30	02/28/15 02:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 10:30	02/28/15 02:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 10:30	02/28/15 02:48	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:48	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:48	1
Copper	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:48	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 10:30	02/28/15 02:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 10:30	02/28/15 02:48	1
Manganese	**0.042**		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:48	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:48	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 10:30	02/28/15 02:48	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:48	1
Zinc	**0.037**	**J**	0.10	0.020	mg/L		02/27/15 10:30	02/28/15 02:48	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		02/27/15 10:30	02/27/15 17:36	1
Barium	<0.50		0.50	0.050	mg/L		02/27/15 10:30	02/27/15 17:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 10:30	02/27/15 17:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 10:30	02/27/15 17:36	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:36	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:36	1
Copper	**0.023**	**J B**	0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:36	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 10:30	02/27/15 17:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 10:30	02/27/15 17:36	1
Manganese	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:36	1
Nickel	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:36	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 10:30	02/27/15 17:36	1

Client Sample ID: VL-1(5-10)-021915D
Date Collected: 02/19/15 10:50
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:36	1
Zinc	**0.042**	**J B**	0.10	0.020	mg/L		02/27/15 10:30	02/27/15 17:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.63**	**J B**	1.1	0.23	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Arsenic	**10**		0.55	0.25	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Barium	**44**		0.55	0.10	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Beryllium	**0.35**		0.22	0.048	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Cadmium	**0.23**		0.11	0.032	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Calcium	**100000**		110	36	mg/Kg	☼	02/23/15 09:30	02/24/15 17:25	10
Chromium	**9.0**		0.55	0.095	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Cobalt	**7.1**		0.28	0.062	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Copper	**22**		0.55	0.12	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Iron	**16000**		11	4.3	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Lead	**11**		0.28	0.14	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Magnesium	**54000**		5.5	2.2	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Manganese	**560**		0.55	0.11	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Nickel	**18**		0.55	0.15	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Potassium	**1700**		28	4.5	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Sodium	**230**		55	7.3	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Thallium	**0.34**	**J**	0.55	0.27	mg/Kg	☼	02/23/15 09:30	02/24/15 17:20	1
Vanadium	**12**		0.28	0.081	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1
Zinc	**38**		1.1	0.35	mg/Kg	☼	02/23/15 09:30	02/24/15 09:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		18	6.4	ug/Kg	☼	02/23/15 15:00	02/24/15 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.74**		0.200	0.200	SU			02/23/15 15:18	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(10-15)-021915
Date Collected: 02/19/15 10:55
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-6
Matrix: Solid
Percent Solids: 83.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/20/15 19:00	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 19:00	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 19:00	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/20/15 19:00	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/20/15 19:00	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		02/20/15 19:00	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 19:00	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/20/15 19:00	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 19:00	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/20/15 19:00	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 19:00	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		02/20/15 19:00	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 19:00	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 19:00	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		02/20/15 19:00	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 19:00	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		02/20/15 19:00	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/20/15 19:00	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 19:00	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 19:00	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/20/15 19:00	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 19:00	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/20/15 19:00	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 19:00	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/20/15 19:00	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 19:00	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 19:00	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		02/20/15 19:00	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/20/15 19:00	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		02/20/15 19:00	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 19:00	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		02/20/15 19:00	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 19:00	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		02/20/15 19:00	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 19:00	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/20/15 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*02/20/15 19:00*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*02/20/15 19:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*02/20/15 19:00*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*02/20/15 19:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(10-15)-021915
Date Collected: 02/19/15 10:55
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-6
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	91	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2,4-Dinitrophenol	<800	*	800	700	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Anthracene	<39		39	6.6	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Benzo[a]anthracene	**10**	**J**	39	5.3	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Carbazole	<200		200	100	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Chrysene	**11**	**J**	39	11	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Di-n-octyl phthalate	**530**		200	65	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Fluoranthene	<39		39	7.4	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Fluorene	<39		39	5.6	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Client Sample ID: VL-1(10-15)-021915
Date Collected: 02/19/15 10:55
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-6
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	10	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Isophorone	<200		200	45	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Naphthalene	<39		39	6.1	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Phenol	<200		200	88	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1
Pyrene	<39		39	7.9	ug/Kg	☼	02/20/15 16:50	02/25/15 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*35 - 137*	*02/20/15 16:50*	*02/25/15 00:48*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*02/20/15 16:50*	*02/25/15 00:48*	*1*
2-Fluorophenol	*52*		*25 - 110*	*02/20/15 16:50*	*02/25/15 00:48*	*1*
Nitrobenzene-d5	*54*		*25 - 115*	*02/20/15 16:50*	*02/25/15 00:48*	*1*
Phenol-d5	*58*		*31 - 110*	*02/20/15 16:50*	*02/25/15 00:48*	*1*
Terphenyl-d14	*72*		*36 - 134*	*02/20/15 16:50*	*02/25/15 00:48*	*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		02/27/15 10:30	02/28/15 02:54	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		02/27/15 10:30	02/28/15 02:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/27/15 10:30	02/28/15 02:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 10:30	02/28/15 02:54	1
Chromium	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:54	1
Cobalt	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:54	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:54	1
Iron	<0.20		0.20	0.20	mg/L		02/27/15 10:30	02/28/15 02:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/27/15 10:30	02/28/15 02:54	1
Manganese	**1.9**		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:54	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:54	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 10:30	02/28/15 02:54	1
Silver	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/28/15 02:54	1
Zinc	**0.044**	**J**	0.10	0.020	mg/L		02/27/15 10:30	02/28/15 02:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.044**	**J**	0.050	0.010	mg/L		02/27/15 10:30	02/27/15 17:42	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		02/27/15 10:30	02/27/15 17:42	1
Beryllium	**0.0046**		0.0040	0.0040	mg/L		02/27/15 10:30	02/27/15 17:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/27/15 10:30	02/27/15 17:42	1
Chromium	**0.095**		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:42	1
Cobalt	**0.039**		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:42	1
Copper	**0.14**	**B**	0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:42	1
Iron	**96**		0.20	0.20	mg/L		02/27/15 10:30	02/27/15 17:42	1
Lead	**0.054**		0.0075	0.0075	mg/L		02/27/15 10:30	02/27/15 17:42	1
Manganese	**0.85**		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:42	1
Nickel	**0.12**		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:42	1
Selenium	<0.050		0.050	0.020	mg/L		02/27/15 10:30	02/27/15 17:42	1

Client Sample ID: VL-1(10-15)-021915
Date Collected: 02/19/15 10:55
Date Received: 02/19/15 15:00

Lab Sample ID: 500-92469-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/27/15 10:30	02/27/15 17:42	1
Zinc	**0.26**	**B**	0.10	0.020	mg/L		02/27/15 10:30	02/27/15 17:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.78**	**J B**	1.2	0.24	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Arsenic	**7.6**		0.58	0.27	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Barium	**42**		0.58	0.11	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Beryllium	**0.65**		0.23	0.050	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Cadmium	**0.17**		0.12	0.034	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Calcium	**74000**		120	37	mg/Kg	☼	02/23/15 09:30	02/24/15 17:33	10
Chromium	**17**		0.58	0.10	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Cobalt	**13**		0.29	0.066	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Copper	**24**		0.58	0.13	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Iron	**21000**		12	4.5	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Lead	**13**		0.29	0.14	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Magnesium	**29000**		5.8	2.4	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Manganese	**450**		0.58	0.11	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Nickel	**27**		0.58	0.16	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Potassium	**3100**		29	4.7	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Sodium	**190**		58	7.7	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	02/23/15 09:30	02/24/15 17:29	1
Vanadium	**21**		0.29	0.085	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1
Zinc	**45**		1.2	0.37	mg/Kg	☼	02/23/15 09:30	02/24/15 09:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/27/15 12:00	03/02/15 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**		19	6.6	ug/Kg	☼	02/23/15 15:00	02/24/15 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.52**		0.200	0.200	SU			02/23/15 15:22	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

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

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.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Route 34 - WO 002

TestAmerica Job ID: 500-92469-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMEN

2417 Bond Street, University Park,
Phone: 708.534.5200 Fax: 70

500-92469 COC

(optional)

Report To
Contact: S. Babasukumar
Company: Weston
Address: 300 Plaza Circle # 202
Address: Mundelein, IL
Phone:
Fax:
E-Mail: Babu.Babasukumar@westonsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-92469

Chain of Custody Number:

Page 5 of 6

Temperature °C of Cooler: (3.2)(2.3)(3.4)

Client: Weston Solutions
Client Project #: 002
Project Name: IDOT-Route 34-002
Project Location/State: Naperville, IL
Lab Project #: 50010634
Sampler: D. Sena
Lab PM: R. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
		Parameter						VOCs	SVOCs	metals	TCL/SPLP metals	pH					
1		DR-5(0-4)-021915	2-19-15	10:00	2	SO		X	X	X	X	X					
2		DR-6(0-4)-021915		10:15													
3		VL-1(0-5)-021915		10:45													
4		VL-1(5-10)-021915		10:50													
5		VL-1(5-10)-021915D		10:50													
6		VL-1(10-15)-021915		10:55													
7		VL-2(0-5)-021915		11:15													
8		VL-2(5-10)-021915		11:20													
9		VL-2(5-10)-021915D		11:20													
10		VL-2(10-15)-021915	2-19-15	11:25	2	SO		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Stnd 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
David Sena	Weston	2-19-15	13:50		TA	2/19/15	1351
	TA	2/19/15	1500		TA	2/19/15	1500

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

3/2/2015