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 525: US Route 20 (Lake Street) Office Phone Number, if available: _____

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

1000 block of Lake Street

City: Hanover Park State: IL Zip Code: _____

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: 41.979397888 (Decimal Degrees) Longitude: -88.135065503 (-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 525: US Route 20 (Lake Street)

Latitude: 41.979397888 Longitude: -88.135065503

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 VL2-1 AND VL2-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2551-8. SEE FIGURE 3-3 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82997-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/24/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2551-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, DuPage County, Illinois

Field Sample ID	VL2-1(0-2)-082514	VL2-2(0-2)-082514	**Soil Reference Concentrations**
Sample Date	8/25/2014	8/25/2014	
Location ID	VL2-1	VL2-2	
Depth	0 - 2	0 - 2	
ISGS Site Number	2551-8	2551-8	
Parameter			
Laboratory pH (s.u.)	8.53	8.44	<6.25, >9.0
VOCs (ug/kg)	**None Detected**		
SVOCs (ug/kg)			
Benzo(a)anthracene	350	250	900 / 1100 / 1800
Benzo(a)pyrene	440	320	90 / 1300 / 2100
Benzo(b)fluoranthene	660	460	900 / 1500 / 2100
Dibenzo(a,h)anthracene	130	70	90 / 200 / 420
Total Metals (mg/kg)			
Arsenic, Total	7.3 J-	10 J-	11.3/13.0
Barium, Total	98 J-	46 J-	1500
Beryllium, Total	0.61 J-	0.57 J-	22
Cadmium, Total	0.2	0.36	5.2
Calcium, Total	17000 J	100000 J	---
Chromium, Total	24 J-	16 J-	21
Cobalt, Total	8 J-	8.5 J-	20
Copper, Total	29 J+	26 J+	2900
Iron, Total	18000 J-	19000 J-	15000/15900
Lead, Total	28 J-	12 J-	107
Magnesium, Total	11000 J	37000 J	325000
Manganese, Total	450 J	360 J	630/636
Mercury, Total	ND	0.038 B	0.89
Nickel, Total	17 J-	22 J-	100
Potassium, Total	1900 J+	3600 J+	---
Silver, Total	ND	ND	4.4
Sodium, Total	1500 J+	1300 J+	---
Thallium, Total	1.2	1.1	2.6
Vanadium, Total	24 J-	19 J-	550
Zinc, Total	73 J-	44 J-	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.46 J	0.41 J	2
Cadmium, TCLP	0.0021 J	ND	0.005
Cobalt, TCLP	ND	ND	1
Copper, TCLP	0.017 J	0.028	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	0.38	0.069	0.15
Mercury, TCLP	ND	0.00032	0.002
Nickel, TCLP	ND	ND	0.1
Selenium, TCLP	ND	ND	0.05
Zinc, TCLP	ND	ND	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.016 J	0.033 J	0.05
Barium, SPLP	0.73	0.45 J	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	0.0022 J	ND	0.005
Chromium, SPLP	0.11	0.068	0.1
Cobalt, SPLP	0.018 J	0.019 J	1
Copper, SPLP	0.15	0.13	0.65
Iron, SPLP	91 J+	75 J+	5
Lead, SPLP	0.23	0.067	0.0075
Manganese, SPLP	0.58	0.27	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.069	0.07	0.1
Zinc, SPLP	0.66	0.42	5

Summary Table of ISGS Site No. 2551-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, 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: 500-82997-1
Client Project/Site: IDOT - Hanover Park - WO 056

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 2:41:12 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: VL2-1(0-2)-082514
Date Collected: 08/25/14 10:50
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-17
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		08/29/14 05:58	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		08/29/14 05:58	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		08/29/14 05:58	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		08/29/14 05:58	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		08/29/14 05:58	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		08/29/14 05:58	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		08/29/14 05:58	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		08/29/14 05:58	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		08/29/14 05:58	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		08/29/14 05:58	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		08/29/14 05:58	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		08/29/14 05:58	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		08/29/14 05:58	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		08/29/14 05:58	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		08/29/14 05:58	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		08/29/14 05:58	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		08/29/14 05:58	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		08/29/14 05:58	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		08/29/14 05:58	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		08/29/14 05:58	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		08/29/14 05:58	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		08/29/14 05:58	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		08/29/14 05:58	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		08/29/14 05:58	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		08/29/14 05:58	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		08/29/14 05:58	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		08/29/14 05:58	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		08/29/14 05:58	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		08/29/14 05:58	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		08/29/14 05:58	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		08/29/14 05:58	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		08/29/14 05:58	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		08/29/14 05:58	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		08/29/14 05:58	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		08/29/14 05:58	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		08/29/14 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*08/29/14 05:58*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*08/29/14 05:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*08/29/14 05:58*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/29/14 05:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: VL2-1(0-2)-082514
Date Collected: 08/25/14 10:50
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-17
Matrix: Solid
Percent Solids: 82.3

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	87	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Acenaphthene	**9.5**	**J**	38	6.8	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Anthracene	**49**		38	6.4	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Benzo[a]anthracene	**350**		38	5.1	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Benzo[a]pyrene	**440**		38	7.4	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Benzo[b]fluoranthene	**660**		38	8.2	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Benzo[g,h,i]perylene	**460**		38	12	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Benzo[k]fluoranthene	**210**		38	11	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Carbazole	<190		190	98	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Chrysene	**460**		38	10	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Dibenz(a,h)anthracene	**130**		38	7.4	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Fluoranthene	**920**		38	7.1	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: VL2-1(0-2)-082514
Date Collected: 08/25/14 10:50
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-17
Matrix: Solid
Percent Solids: 82.3

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	350		38	9.9	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Isophorone	<190		190	43	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Phenanthrene	290		38	5.3	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Phenol	<190		190	85	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1
Pyrene	810		38	7.6	ug/Kg	☼	09/03/14 07:40	09/04/14 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*35 - 137*	*09/03/14 07:40*	*09/04/14 03:26*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*09/03/14 07:40*	*09/04/14 03:26*	*1*
2-Fluorophenol	*95*		*25 - 110*	*09/03/14 07:40*	*09/04/14 03:26*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*09/03/14 07:40*	*09/04/14 03:26*	*1*
Phenol-d5	*86*		*31 - 110*	*09/03/14 07:40*	*09/04/14 03:26*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/03/14 07:40*	*09/04/14 03:26*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 05:25	1
Barium	0.46	J	0.50	0.050	mg/L		09/05/14 07:55	09/06/14 05:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 05:25	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 05:25	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:25	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:25	1
Copper	0.017	J	0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:25	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 05:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 05:25	1
Manganese	0.38		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:25	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:25	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 05:25	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:25	1
Zinc	0.088	J B	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 05:25	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		09/03/14 09:30	09/05/14 01:49	1
Barium	0.73		0.50	0.050	mg/L		09/03/14 09:30	09/05/14 01:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 01:49	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 01:49	1
Chromium	0.11		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:49	1
Cobalt	0.018	J	0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:49	1
Copper	0.15		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:49	1
Iron	91		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 01:49	1
Lead	0.23		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 01:49	1
Manganese	0.58		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:49	1
Nickel	0.069		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:49	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 01:49	1

Client Sample ID: VL2-1(0-2)-082514
Date Collected: 08/25/14 10:50
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:49	1
Zinc	**0.66**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 01:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Arsenic	**7.3**		0.58	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Barium	**98**		0.58	0.062	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Beryllium	**0.61**		0.23	0.046	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Cadmium	**0.20**		0.12	0.015	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Calcium	**17000**	**B**	12	3.1	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Chromium	**24**		0.58	0.067	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Cobalt	**8.0**		0.29	0.058	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Copper	**29**		0.58	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Iron	**18000**		12	4.8	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Lead	**28**		0.29	0.086	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Magnesium	**11000**		5.8	1.2	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Manganese	**450**		0.58	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Nickel	**17**		0.58	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Potassium	**1900**		29	1.7	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Sodium	**1500**		58	7.7	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Thallium	**1.2**		0.58	0.24	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Vanadium	**24**		0.29	0.043	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1
Zinc	**73**		1.2	0.23	mg/Kg	☼	09/03/14 18:00	09/04/14 20:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/14 12:30	09/08/14 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:14	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	**32**	**B**	18	7.2	ug/Kg	☼	09/03/14 14:30	09/04/14 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.53**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: VL2-2(0-2)-082514
Date Collected: 08/25/14 11:00
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-18
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	☼		08/29/14 06:20	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		08/29/14 06:20	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/29/14 06:20	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		08/29/14 06:20	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		08/29/14 06:20	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		08/29/14 06:20	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		08/29/14 06:20	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		08/29/14 06:20	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 06:20	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		08/29/14 06:20	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		08/29/14 06:20	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		08/29/14 06:20	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 06:20	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/29/14 06:20	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		08/29/14 06:20	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/29/14 06:20	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		08/29/14 06:20	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		08/29/14 06:20	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 06:20	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		08/29/14 06:20	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		08/29/14 06:20	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 06:20	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		08/29/14 06:20	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 06:20	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		08/29/14 06:20	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 06:20	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/29/14 06:20	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		08/29/14 06:20	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		08/29/14 06:20	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		08/29/14 06:20	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		08/29/14 06:20	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		08/29/14 06:20	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		08/29/14 06:20	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		08/29/14 06:20	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		08/29/14 06:20	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/29/14 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/29/14 06:20*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*08/29/14 06:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*08/29/14 06:20*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/29/14 06:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: VL2-2(0-2)-082514
Date Collected: 08/25/14 11:00
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-18
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Anthracene	**28**	**J**	38	6.3	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Benzo[a]anthracene	**250**		38	5.1	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Benzo[a]pyrene	**320**		38	7.3	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Benzo[b]fluoranthene	**460**		38	8.2	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Benzo[g,h,i]perylene	**220**		38	12	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Benzo[k]fluoranthene	**190**		38	11	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Bis(2-ethylhexyl) phthalate	**800**		190	69	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Carbazole	<190		190	98	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Chrysene	**330**		38	10	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Dibenz(a,h)anthracene	**70**		38	7.3	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Fluoranthene	**600**		38	7.0	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Fluorene	<38		38	5.3	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: VL2-2(0-2)-082514
Date Collected: 08/25/14 11:00
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-18
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**200**		38	9.8	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Isophorone	<190		190	42	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Phenanthrene	**180**		38	5.3	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Phenol	<190		190	84	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1
Pyrene	**1100**		38	7.5	ug/Kg	☼	09/03/14 07:40	09/04/14 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*35 - 137*	*09/03/14 07:40*	*09/04/14 03:44*	*1*
2-Fluorobiphenyl	*75*		*25 - 119*	*09/03/14 07:40*	*09/04/14 03:44*	*1*
2-Fluorophenol	*97*		*25 - 110*	*09/03/14 07:40*	*09/04/14 03:44*	*1*
Nitrobenzene-d5	*64*		*25 - 115*	*09/03/14 07:40*	*09/04/14 03:44*	*1*
Phenol-d5	*87*		*31 - 110*	*09/03/14 07:40*	*09/04/14 03:44*	*1*
Terphenyl-d14	*240*	*X*	*36 - 134*	*09/03/14 07:40*	*09/04/14 03:44*	*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		09/05/14 07:55	09/06/14 05:31	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		09/05/14 07:55	09/06/14 05:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 05:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 05:31	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:31	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:31	1
Copper	**0.028**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:31	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 05:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 05:31	1
Manganese	**0.069**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:31	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:31	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 05:31	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:31	1
Zinc	**0.027**	**J B**	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 05:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.033**	**J**	0.050	0.010	mg/L		09/03/14 09:30	09/05/14 01:53	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		09/03/14 09:30	09/05/14 01:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 01:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 01:53	1
Chromium	**0.068**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:53	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:53	1
Copper	**0.13**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:53	1
Iron	**75**		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 01:53	1
Lead	**0.067**		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 01:53	1
Manganese	**0.27**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:53	1
Nickel	**0.070**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:53	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 01:53	1

Client Sample ID: VL2-2(0-2)-082514
Date Collected: 08/25/14 11:00
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:53	1
Zinc	**0.42**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 01:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Arsenic	**10**		0.56	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Barium	**46**		0.56	0.060	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Beryllium	**0.57**		0.22	0.045	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Cadmium	**0.36**		0.11	0.014	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Calcium	**100000**	**B**	110	30	mg/Kg	☼	09/03/14 18:00	09/05/14 15:20	10
Chromium	**16**		0.56	0.065	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Cobalt	**8.5**		0.28	0.056	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Copper	**26**		0.56	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Iron	**19000**		11	4.6	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Lead	**12**		0.28	0.084	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Magnesium	**37000**		5.6	1.2	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Manganese	**360**		0.56	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Nickel	**22**		0.56	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Potassium	**3600**		28	1.7	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Sodium	**1300**		56	7.5	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Thallium	**1.1**		0.56	0.24	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Vanadium	**19**		0.28	0.042	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1
Zinc	**44**		1.1	0.23	mg/Kg	☼	09/03/14 18:00	09/04/14 20:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.32**		0.20	0.20	ug/L		09/05/14 12:30	09/08/14 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:16	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	**38**	**B**	17	6.7	ug/Kg	☼	09/03/14 14:30	09/04/14 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.44**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside 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
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

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
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 - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-82997

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

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

Client	Client Project #	Preservative	7	7	7	7	7	7	7	
Weston Solutions										
Project Name		Parameter								
IDOT-Hanover Park-WO 0056										
Project Location/State	Lab Project #									
Hanover Park, IL	500100034									
Sampler	Lab PM									
Dave Sena	Wright		VOCs	SVOCs	Metals	Triplicate Metals	H2	Pesticides	Herbicides	

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		DR-2(0-5)-082514 ~~-082514~~ MS	8-25-14	10:00	2	S	
12		DR-2(0-5)-082514D ~~-082514~~ MSD		10:00			
13		GV-1(0-1.5)-082514		10:10			
14		GV-2(0-1.5)-082514		10:20			
15		DR-3(0-5)-082514		10:30			
16		DR-4(0-5)-082514		10:40			
17		VL2-1(0-2)-082514		10:50			
18		VL2-2(0-2)-082514		11:00			
19		WN-1(0-2)-082514		11:10			
20		WN-2(0-2)-082514	8-25-14		2	S	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Dave Sena	Weston	8-25-14	1400		TA	8/26/14	0900
	TA	8/26/14			TA	8/26/14	800AM
	TA	8/26	1235		TA	8/26/14	1235

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
Item 2 ID - DR-2(0-5)-082514D

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 525: US Route 20 (Lake Street) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
1090-1250 Lake Street

City: Hanover Park State: IL Zip Code: _____

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: 41.978855486 (Decimal Degrees) Longitude: -88.134672005 (-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 525: US Route 20 (Lake Street)

Latitude: 41.978855486 Longitude: -88.134672005

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 GP-2 WAS SAMPLED ADJACENT TO ISGS SITE No. 2551-10. SEE FIGURE 3-3 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82997-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/24/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2551-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, DuPage County, Illinois

Field Sample ID	GP-2(0-1.5)-082514	**Soil Reference Concentrations**
Sample Date	8/25/2014	
Location ID	GP-2	
Depth	0 - 1.5	
ISGS Site Number	2551-10	
Parameter		
Laboratory pH (s.u.)	8.49	<6.25, >9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)		
Benzo(a)anthracene	680	900 / 1100 / 1800
Benzo(a)pyrene	960	90 / 1300 / 2100
Benzo(b)fluoranthene	910	900 / 1500 / 2100
Dibenzo(a,h)anthracene	ND	90 / 200 / 420
Total Metals (mg/kg)		
Arsenic, Total	6.3 J-	11.3/13.0
Barium, Total	47 J-	1500
Beryllium, Total	0.43 J-	22
Cadmium, Total	0.31	5.2
Calcium, Total	84000 J	---
Chromium, Total	18 J-	21
Cobalt, Total	6.1 J-	20
Copper, Total	25 J+	2900
Iron, Total	15000 J-	15000/15900
Lead, Total	45 J-	107
Magnesium, Total	43000 J	325000
Manganese, Total	370 J	630/636
Mercury, Total	ND	0.89
Nickel, Total	16 J-	100
Potassium, Total	2300 J+	---
Silver, Total	ND	4.4
Sodium, Total	890 J+	---
Thallium, Total	0.71	2.6
Vanadium, Total	18 J-	550
Zinc, Total	58 J-	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.6	2
Cadmium, TCLP	0.0022 J	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	0.02 J	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.27	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Selenium, TCLP	ND	0.05
Zinc, TCLP	0.27 B	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.26 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.027	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.048	0.65
Iron, SPLP	24 J+	5
Lead, SPLP	0.057	0.0075
Manganese, SPLP	0.21	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.023 J	0.1
Zinc, SPLP	0.21	5

Summary Table of ISGS Site No. 2551-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, 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

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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: 500-82997-1
Client Project/Site: IDOT - Hanover Park - WO 056

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 2:41:12 PM

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

Client Sample ID: GP-2(0-1.5)-082514
Date Collected: 08/25/14 09:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-7
Matrix: Solid
Percent Solids: 87.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		08/29/14 01:23	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 01:23	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/29/14 01:23	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		08/29/14 01:23	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/29/14 01:23	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/29/14 01:23	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/29/14 01:23	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/29/14 01:23	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 01:23	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		08/29/14 01:23	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 01:23	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		08/29/14 01:23	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 01:23	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/29/14 01:23	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/29/14 01:23	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/29/14 01:23	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/29/14 01:23	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		08/29/14 01:23	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 01:23	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 01:23	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/29/14 01:23	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 01:23	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/29/14 01:23	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 01:23	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/29/14 01:23	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 01:23	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 01:23	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/29/14 01:23	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		08/29/14 01:23	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 01:23	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/29/14 01:23	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/29/14 01:23	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 01:23	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		08/29/14 01:23	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 01:23	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		08/29/14 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*08/29/14 01:23*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/29/14 01:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*08/29/14 01:23*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 01:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<920		920	200	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
1,2-Dichlorobenzene	<920		920	220	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
1,3-Dichlorobenzene	<920		920	200	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
1,4-Dichlorobenzene	<920		920	230	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2,2'-oxybis[1-chloropropane]	<920		920	210	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: GP-2(0-1.5)-082514
Date Collected: 08/25/14 09:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-7
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	420	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2,4,6-Trichlorophenol	<1800		1800	620	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2,4-Dichlorophenol	<1800		1800	430	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2,4-Dimethylphenol	<1800		1800	690	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2,4-Dinitrophenol	<3700		3700	3200	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2,4-Dinitrotoluene	<920		920	290	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2,6-Dinitrotoluene	<920		920	360	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2-Chloronaphthalene	<920		920	200	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2-Chlorophenol	<920		920	310	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2-Methylnaphthalene	<180		180	33	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2-Methylphenol	<920		920	290	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2-Nitroaniline	<920		920	240	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
2-Nitrophenol	<1800		1800	430	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
3 & 4 Methylphenol	<920		920	300	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
3,3'-Dichlorobenzidine	<920		920	250	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
3-Nitroaniline	<1800		1800	560	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
4,6-Dinitro-2-methylphenol	<1800		1800	1500	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
4-Bromophenyl phenyl ether	<920		920	240	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
4-Chloro-3-methylphenol	<1800		1800	620	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
4-Chloroaniline	<3700		3700	850	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
4-Chlorophenyl phenyl ether	<920		920	210	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
4-Nitroaniline	<1800		1800	760	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
4-Nitrophenol	<3700		3700	1700	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Acenaphthene	<180		180	33	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Acenaphthylene	<180		180	24	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Anthracene	**98**	**J**	180	30	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Benzo[a]anthracene	**680**		180	24	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Benzo[a]pyrene	**960**		180	35	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Benzo[b]fluoranthene	**910**		180	39	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Benzo[g,h,i]perylene	<180		180	59	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Benzo[k]fluoranthene	**990**		180	54	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Bis(2-chloroethoxy)methane	<920		920	190	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Bis(2-chloroethyl)ether	<920		920	270	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Bis(2-ethylhexyl) phthalate	<920		920	330	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Butyl benzyl phthalate	<920		920	350	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Carbazole	<920		920	470	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Chrysene	**1000**		180	50	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Dibenz(a,h)anthracene	<180		180	35	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Dibenzofuran	<920		920	210	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Diethyl phthalate	<920		920	310	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Dimethyl phthalate	<920		920	240	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Di-n-butyl phthalate	<920		920	280	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Di-n-octyl phthalate	<920		920	300	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Fluoranthene	**1900**		180	34	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Fluorene	<180		180	26	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Hexachlorobenzene	<370		370	42	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Hexachlorobutadiene	<920		920	290	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Hexachlorocyclopentadiene	<3700		3700	1000	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Hexachloroethane	<920		920	280	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: GP-2(0-1.5)-082514
Date Collected: 08/25/14 09:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-7
Matrix: Solid
Percent Solids: 87.8

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	<180		180	47	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Isophorone	<920		920	200	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Naphthalene	<180		180	28	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Nitrobenzene	<180		180	45	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
N-Nitrosodi-n-propylamine	<920		920	220	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
N-Nitrosodiphenylamine	<920		920	210	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Pentachlorophenol	<3700		3700	2900	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Phenanthrene	**560**		180	25	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Phenol	<920		920	400	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5
Pyrene	**2800**		180	36	ug/Kg	☼	09/03/14 07:40	09/05/14 03:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*116*		*35 - 137*	*09/03/14 07:40*	*09/05/14 03:16*	*5*
2-Fluorobiphenyl	*101*		*25 - 119*	*09/03/14 07:40*	*09/05/14 03:16*	*5*
2-Fluorophenol	*161*	*X*	*25 - 110*	*09/03/14 07:40*	*09/05/14 03:16*	*5*
Nitrobenzene-d5	*78*		*25 - 115*	*09/03/14 07:40*	*09/05/14 03:16*	*5*
Phenol-d5	*96*		*31 - 110*	*09/03/14 07:40*	*09/05/14 03:16*	*5*
Terphenyl-d14	*202*	*X*	*36 - 134*	*09/03/14 07:40*	*09/05/14 03:16*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:27	1
Barium	**0.60**		0.50	0.050	mg/L		09/05/14 07:55	09/06/14 04:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 04:27	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 04:27	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:27	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:27	1
Copper	**0.020**	**J**	0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:27	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 04:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 04:27	1
Manganese	**0.27**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:27	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:27	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:27	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:27	1
Zinc	**0.27**	**B**	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 04:27	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		09/03/14 09:30	09/05/14 01:01	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		09/03/14 09:30	09/05/14 01:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 01:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 01:01	1
Chromium	**0.027**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:01	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:01	1
Copper	**0.048**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:01	1
Iron	**24**		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 01:01	1
Lead	**0.057**		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 01:01	1
Manganese	**0.21**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:01	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:01	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 01:01	1

Client Sample ID: GP-2(0-1.5)-082514
Date Collected: 08/25/14 09:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:01	1
Zinc	**0.21**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 01:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Arsenic	**6.3**		0.56	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Barium	**47**		0.56	0.060	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Beryllium	**0.43**		0.22	0.045	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Cadmium	**0.31**		0.11	0.014	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Calcium	**84000**	**B**	110	30	mg/Kg	☼	09/03/14 18:00	09/05/14 15:04	10
Chromium	**18**		0.56	0.065	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Cobalt	**6.1**		0.28	0.056	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Copper	**25**		0.56	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Iron	**15000**		11	4.6	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Lead	**45**		0.28	0.083	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Magnesium	**43000**		5.6	1.1	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Manganese	**370**		0.56	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Nickel	**16**		0.56	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Potassium	**2300**		28	1.7	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Sodium	**890**		56	7.5	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Thallium	**0.71**		0.56	0.24	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Vanadium	**18**		0.28	0.041	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1
Zinc	**58**		1.1	0.23	mg/Kg	☼	09/03/14 18:00	09/04/14 18:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/14 12:30	09/08/14 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 11:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**	**B**	19	7.4	ug/Kg	☼	09/03/14 14:30	09/04/14 12:03	1

General Chemistry

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

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside 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
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

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
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 - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

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 ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-82997 COC

Chain of Custody Record

Lab Job #: 500-82997

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: 2.8

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

Client: Weston	Client Project #		
Project Name: IDOT-Hanover Park-WO 056			
Project Location/State: Hanover Park, IL	Lab Project #: 500-10034		
Sampler: Sing	Lab PM: Wright		

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	Parameter: SVOCs	Parameter: metals	Parameter: TCL/SPLP metals	Parameter: pH	Comments
1		CB-1(0-1.5)-082514	8-25-14	8:15	2	S	7	X	X	X	X	X	
2		MG-3(0-1.5)-082514		8:30									
3		MG-3(0-1.5)-082514D		8:30									
4		MG-2(0-1.5)-082514		8:40									
5		MG-1(0-1.5)-082514		8:50									
6		GP-1(0-1.5)-082514		9:00									
7		GP-2(0-1.5)-082514		9:10									
8		DE-1(0-2)-082514		9:20									
9		VL1-1(0-2)-082514		9:30									
10		DR-1(0-5)-082514	8-25-14	9:40	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Dario Deva	Weston	8-25-14	14:00		TA	8/25/14	14:00
	TA	8/26/14			TA	8/26/14	8:00AM
	TA	8/26/14	1235		TA	8/26/14	1235

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

Illinois Environmental Protection Agency

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

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 (Lake Street) Office Phone Number, if available: _____

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

1260 Lake Street

City: Hanover Park State: IL Zip Code: _____

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: 41.979510571 (Decimal Degrees) Longitude: -88.136008664 (-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 525: US Route 20 (Lake Street)

Latitude: 41.979510571 Longitude: -88.136008664

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 MG-1, MG-2, AND MG-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2551-11. SEE FIGURE 3-3 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82997-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/24/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2551-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, DuPage County, Illinois

Field Sample ID	MG-1(0-1.5)-082514	MG-2(0-1.5)-082514	MG-3(0-1.5)-082514	MG-3(0-1.5)-082514D	Soil Reference Concentrations
Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	MG-1	MG-2	MG-3	MG-3	
Depth	0 - 1.5	0 - 1.5	0 - 1.5	0 - 1.5	
ISGS Site Number	2551-11	2551-11	2551-11	2551-11	
Parameter					
Laboratory pH (s.u.)	8.64	8.43	8.36	8.34	<6.25, >9.0
VOCs (ug/kg)	**None Detected**				
SVOCs (ug/kg)					
Benzo(a)anthracene	300	210	290	360	900 / 1100 / 1800
Benzo(a)pyrene	490	ND	360	450	90 / 1300 / 2100
Benzo(b)fluoranthene	620	390	590	600	900 / 1500 / 2100
Dibenzo(a,h)anthracene	ND	ND	ND	ND	90 / 200 / 420
Total Metals (mg/kg)					
Arsenic, Total	5.2 J-	7.9 J-	7.5 J-	7.2 J-	11.3/13.0
Barium, Total	96 J-	110 J-	100 J-	82 J-	1500
Beryllium, Total	0.57 J-	0.59 J-	0.7 J-	0.65 J-	22
Cadmium, Total	0.23	0.092 J	ND	0.21	5.2
Calcium, Total	18000 J	22000 J	7400 J	38000 J	---
Chromium, Total	24 J-	19 J-	20 J-	18 J-	21
Cobalt, Total	6.3 J-	7.7 J-	9.2 J-	7.4 J-	20
Copper, Total	28 J+	24 J+	21 J+	23 J+	2900
Iron, Total	17000 J-	17000 J-	19000 J-	17000 J-	15000/15900
Lead, Total	17 J-	23 J-	20 J-	28 J-	107
Magnesium, Total	11000 J	13000 J	5500 J	25000 J	325000
Manganese, Total	370 J	500 J	480 J	370 J	630/636
Mercury, Total	0.043 B	ND	0.043 B	0.043 B	0.89
Nickel, Total	15 J-	16 J-	19 J-	18 J-	100
Potassium, Total	1800 J+	2000 J+	2700 J+	2600 J+	---
Silver, Total	ND	ND	ND	0.029 J	4.4
Sodium, Total	1400 J+	410 J+	980 J+	950 J+	---
Thallium, Total	0.91	1.1	1.1	0.92	2.6
Vanadium, Total	26 J-	25 J-	28 J-	26 J-	550
Zinc, Total	73 J-	69 J-	58 J-	54 J-	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.71	0.74	0.43 J	0.66	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	0.021 J	0.1	ND	0.015 J	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.18	0.12	0.022 J	0.04	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	0.011 J	ND	0.01 J	0.05
Zinc, TCLP	0.28 B	0.31 B	ND	0.26 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.037 J	ND	0.013 J	0.023 J	0.05
Barium, SPLP	0.8	0.42 J	0.62	0.68	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.12	0.022 J	0.069	0.09	0.1
Cobalt, SPLP	0.03	ND	0.013 J	0.019 J	1
Copper, SPLP	0.17	0.042	0.087	0.11	0.65
Iron, SPLP	120 J+	18 J+	62 J+	85 J+	5
Lead, SPLP	0.11	0.021	0.069	0.087	0.0075
Manganese, SPLP	0.61	0.12	0.34	0.44	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.11	0.017 J	0.055	0.075	0.1
Zinc, SPLP	0.66	0.3	0.44	0.54	5

Summary Table of ISGS Site No. 2551-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to
Hanover Park, 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: 500-82997-1
Client Project/Site: IDOT - Hanover Park - WO 056

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 2:41:12 PM

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

Client Sample ID: MG-3(0-1.5)-082514
Date Collected: 08/25/14 08:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-2
Matrix: Solid
Percent Solids: 77.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6.4	2.8	ug/Kg	☼		08/28/14 23:28	1
Benzene	<6.4		6.4	0.88	ug/Kg	☼		08/28/14 23:28	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	☼		08/28/14 23:28	1
Bromoform	<6.4		6.4	1.5	ug/Kg	☼		08/28/14 23:28	1
Bromomethane	<6.4		6.4	1.9	ug/Kg	☼		08/28/14 23:28	1
Carbon disulfide	<6.4		6.4	0.96	ug/Kg	☼		08/28/14 23:28	1
Carbon tetrachloride	<6.4		6.4	1.2	ug/Kg	☼		08/28/14 23:28	1
Chlorobenzene	<6.4		6.4	0.65	ug/Kg	☼		08/28/14 23:28	1
Chloroethane	<6.4		6.4	1.8	ug/Kg	☼		08/28/14 23:28	1
Chloroform	<6.4		6.4	0.74	ug/Kg	☼		08/28/14 23:28	1
Chloromethane	<6.4		6.4	1.4	ug/Kg	☼		08/28/14 23:28	1
cis-1,2-Dichloroethene	<6.4		6.4	0.91	ug/Kg	☼		08/28/14 23:28	1
cis-1,3-Dichloropropene	<6.4		6.4	0.84	ug/Kg	☼		08/28/14 23:28	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg	☼		08/28/14 23:28	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg	☼		08/28/14 23:28	1
1,2-Dichloroethane	<6.4		6.4	0.95	ug/Kg	☼		08/28/14 23:28	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg	☼		08/28/14 23:28	1
1,2-Dichloropropane	<6.4		6.4	0.98	ug/Kg	☼		08/28/14 23:28	1
1,3-Dichloropropene, Total	<6.4		6.4	0.84	ug/Kg	☼		08/28/14 23:28	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg	☼		08/28/14 23:28	1
2-Hexanone	<6.4		6.4	1.9	ug/Kg	☼		08/28/14 23:28	1
Methylene Chloride	<6.4		6.4	1.7	ug/Kg	☼		08/28/14 23:28	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	☼		08/28/14 23:28	1
methyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg	☼		08/28/14 23:28	1
Methyl tert-butyl ether	<6.4		6.4	1.1	ug/Kg	☼		08/28/14 23:28	1
Styrene	<6.4		6.4	0.84	ug/Kg	☼		08/28/14 23:28	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg	☼		08/28/14 23:28	1
Tetrachloroethene	<6.4		6.4	0.98	ug/Kg	☼		08/28/14 23:28	1
Toluene	<6.4		6.4	0.90	ug/Kg	☼		08/28/14 23:28	1
trans-1,2-Dichloroethene	<6.4		6.4	0.89	ug/Kg	☼		08/28/14 23:28	1
trans-1,3-Dichloropropene	<6.4		6.4	1.2	ug/Kg	☼		08/28/14 23:28	1
1,1,1-Trichloroethane	<6.4		6.4	0.96	ug/Kg	☼		08/28/14 23:28	1
1,1,2-Trichloroethane	<6.4		6.4	0.88	ug/Kg	☼		08/28/14 23:28	1
Trichloroethene	<6.4		6.4	1.1	ug/Kg	☼		08/28/14 23:28	1
Vinyl chloride	<6.4		6.4	1.4	ug/Kg	☼		08/28/14 23:28	1
Xylenes, Total	<13		13	0.58	ug/Kg	☼		08/28/14 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*08/28/14 23:28*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*08/28/14 23:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*08/28/14 23:28*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/28/14 23:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1000		1000	220	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
1,2-Dichlorobenzene	<1000		1000	250	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
1,3-Dichlorobenzene	<1000		1000	230	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
1,4-Dichlorobenzene	<1000		1000	270	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2,2'-oxybis[1-chloropropane]	<1000		1000	240	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-3(0-1.5)-082514
Date Collected: 08/25/14 08:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-2
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<2100		2100	470	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2,4,6-Trichlorophenol	<2100		2100	710	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2,4-Dichlorophenol	<2100		2100	490	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2,4-Dimethylphenol	<2100		2100	790	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2,4-Dinitrophenol	<4200		4200	3700	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2,4-Dinitrotoluene	<1000		1000	330	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2,6-Dinitrotoluene	<1000		1000	410	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2-Chloronaphthalene	<1000		1000	230	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2-Chlorophenol	<1000		1000	350	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2-Methylnaphthalene	<210		210	38	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2-Methylphenol	<1000		1000	330	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2-Nitroaniline	<1000		1000	280	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
2-Nitrophenol	<2100		2100	490	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
3 & 4 Methylphenol	<1000		1000	350	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
3,3'-Dichlorobenzidine	<1000		1000	290	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
3-Nitroaniline	<2100		2100	640	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
4,6-Dinitro-2-methylphenol	<2100		2100	1700	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
4-Bromophenyl phenyl ether	<1000		1000	270	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
4-Chloro-3-methylphenol	<2100		2100	710	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
4-Chloroaniline	<4200		4200	980	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
4-Chlorophenyl phenyl ether	<1000		1000	240	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
4-Nitroaniline	<2100		2100	870	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
4-Nitrophenol	<4200		4200	2000	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Acenaphthene	<210		210	37	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Acenaphthylene	<210		210	27	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Anthracene	<210		210	35	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Benzo[a]anthracene	**290**		210	28	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Benzo[a]pyrene	**360**		210	40	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Benzo[b]fluoranthene	**590**		210	45	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Benzo[g,h,i]perylene	**330**		210	67	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Benzo[k]fluoranthene	**140**	**J**	210	61	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Bis(2-chloroethoxy)methane	<1000		1000	210	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Bis(2-chloroethyl)ether	<1000		1000	310	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Bis(2-ethylhexyl) phthalate	<1000		1000	380	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Butyl benzyl phthalate	<1000		1000	400	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Carbazole	<1000		1000	540	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Chrysene	**400**		210	57	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Dibenz(a,h)anthracene	<210		210	40	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Dibenzofuran	<1000		1000	240	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Diethyl phthalate	<1000		1000	350	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Dimethyl phthalate	<1000		1000	270	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Di-n-butyl phthalate	<1000		1000	320	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Di-n-octyl phthalate	<1000		1000	340	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Fluoranthene	**750**		210	39	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Fluorene	<210		210	29	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Hexachlorobenzene	<420		420	48	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Hexachlorobutadiene	<1000		1000	330	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Hexachlorocyclopentadiene	<4200		4200	1200	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Hexachloroethane	<1000		1000	320	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-3(0-1.5)-082514
Date Collected: 08/25/14 08:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-2
Matrix: Solid
Percent Solids: 77.7

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	**230**		210	54	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Isophorone	<1000		1000	230	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Naphthalene	<210		210	32	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Nitrobenzene	<210		210	52	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
N-Nitrosodi-n-propylamine	<1000		1000	250	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
N-Nitrosodiphenylamine	<1000		1000	250	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Pentachlorophenol	<4200		4200	3300	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Phenanthrene	**150**	**J**	210	29	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Phenol	<1000		1000	460	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5
Pyrene	**600**		210	41	ug/Kg	☼	09/03/14 07:40	09/04/14 23:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*35 - 137*	*09/03/14 07:40*	*09/04/14 23:57*	*5*
2-Fluorobiphenyl	*78*		*25 - 119*	*09/03/14 07:40*	*09/04/14 23:57*	*5*
2-Fluorophenol	*137*	*X*	*25 - 110*	*09/03/14 07:40*	*09/04/14 23:57*	*5*
Nitrobenzene-d5	*56*		*25 - 115*	*09/03/14 07:40*	*09/04/14 23:57*	*5*
Phenol-d5	*84*		*31 - 110*	*09/03/14 07:40*	*09/04/14 23:57*	*5*
Terphenyl-d14	*85*		*36 - 134*	*09/03/14 07:40*	*09/04/14 23:57*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:02	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		09/05/14 07:55	09/06/14 04:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 04:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 04:02	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:02	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:02	1
Copper	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:02	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 04:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 04:02	1
Manganese	**0.022**	**J**	0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:02	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:02	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:02	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:02	1
Zinc	**0.038**	**J B**	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 04:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:32	1
Barium	**0.62**		0.50	0.050	mg/L		09/03/14 09:30	09/05/14 00:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 00:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 00:32	1
Chromium	**0.069**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:32	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:32	1
Copper	**0.087**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:32	1
Iron	**62**		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 00:32	1
Lead	**0.069**		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 00:32	1
Manganese	**0.34**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:32	1
Nickel	**0.055**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:32	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:32	1

Client Sample ID: MG-3(0-1.5)-082514
Date Collected: 08/25/14 08:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:32	1
Zinc	**0.44**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 00:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		1.3	0.51	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Arsenic	**7.5**		0.64	0.13	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Barium	**100**		0.64	0.068	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Beryllium	**0.70**		0.26	0.051	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Cadmium	<0.13		0.13	0.016	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Calcium	**7400**	**B**	13	3.5	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Chromium	**20**		0.64	0.074	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Cobalt	**9.2**		0.32	0.064	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Copper	**21**		0.64	0.13	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Iron	**19000**		13	5.3	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Lead	**20**		0.32	0.095	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Magnesium	**5500**		6.4	1.3	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Manganese	**480**		0.64	0.13	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Nickel	**19**		0.64	0.13	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Potassium	**2700**		32	1.9	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Selenium	<0.64		0.64	0.23	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Silver	<0.32		0.32	0.023	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Sodium	**980**		64	8.6	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Thallium	**1.1**		0.64	0.27	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Vanadium	**28**		0.32	0.047	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	1
Zinc	**58**		1.3	0.26	mg/Kg	☼	09/03/14 18:00	09/04/14 18:10	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		09/05/14 12:30	09/08/14 11:53	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		09/04/14 12:30	09/05/14 11:33	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**	**B**	21	8.3	ug/Kg	☼	09/03/14 14:30	09/04/14 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.36**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-3(0-1.5)-082514D
Date Collected: 08/25/14 08:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-3
Matrix: Solid
Percent Solids: 76.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.5		6.5	2.8	ug/Kg	☼		08/28/14 23:51	1
Benzene	<6.5		6.5	0.89	ug/Kg	☼		08/28/14 23:51	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 23:51	1
Bromoform	<6.5		6.5	1.5	ug/Kg	☼		08/28/14 23:51	1
Bromomethane	<6.5		6.5	2.0	ug/Kg	☼		08/28/14 23:51	1
Carbon disulfide	<6.5		6.5	0.97	ug/Kg	☼		08/28/14 23:51	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	☼		08/28/14 23:51	1
Chlorobenzene	<6.5		6.5	0.66	ug/Kg	☼		08/28/14 23:51	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	☼		08/28/14 23:51	1
Chloroform	<6.5		6.5	0.75	ug/Kg	☼		08/28/14 23:51	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	☼		08/28/14 23:51	1
cis-1,2-Dichloroethene	<6.5		6.5	0.92	ug/Kg	☼		08/28/14 23:51	1
cis-1,3-Dichloropropene	<6.5		6.5	0.85	ug/Kg	☼		08/28/14 23:51	1
Dibromochloromethane	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 23:51	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	☼		08/28/14 23:51	1
1,2-Dichloroethane	<6.5		6.5	0.97	ug/Kg	☼		08/28/14 23:51	1
1,1-Dichloroethene	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 23:51	1
1,2-Dichloropropane	<6.5		6.5	0.99	ug/Kg	☼		08/28/14 23:51	1
1,3-Dichloropropene, Total	<6.5		6.5	0.85	ug/Kg	☼		08/28/14 23:51	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	☼		08/28/14 23:51	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	☼		08/28/14 23:51	1
Methylene Chloride	<6.5		6.5	1.8	ug/Kg	☼		08/28/14 23:51	1
Methyl Ethyl Ketone	<6.5		6.5	2.4	ug/Kg	☼		08/28/14 23:51	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	☼		08/28/14 23:51	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 23:51	1
Styrene	<6.5		6.5	0.85	ug/Kg	☼		08/28/14 23:51	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	☼		08/28/14 23:51	1
Tetrachloroethene	<6.5		6.5	0.99	ug/Kg	☼		08/28/14 23:51	1
Toluene	<6.5		6.5	0.91	ug/Kg	☼		08/28/14 23:51	1
trans-1,2-Dichloroethene	<6.5		6.5	0.90	ug/Kg	☼		08/28/14 23:51	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	☼		08/28/14 23:51	1
1,1,1-Trichloroethane	<6.5		6.5	0.97	ug/Kg	☼		08/28/14 23:51	1
1,1,2-Trichloroethane	<6.5		6.5	0.89	ug/Kg	☼		08/28/14 23:51	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	☼		08/28/14 23:51	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	☼		08/28/14 23:51	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		08/28/14 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/28/14 23:51*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*08/28/14 23:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*08/28/14 23:51*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/28/14 23:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-3(0-1.5)-082514D
Date Collected: 08/25/14 08:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-3
Matrix: Solid
Percent Solids: 76.8

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	95	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2,4-Dichlorophenol	<420		420	99	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2,4-Dinitrophenol	<840		840	740	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2-Methylnaphthalene	<42		42	7.7	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2-Methylphenol	<210		210	67	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
2-Nitrophenol	<420		420	99	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
4,6-Dinitro-2-methylphenol	<420		420	340	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
4-Nitroaniline	<420		420	170	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Acenaphthene	<42		42	7.5	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Acenaphthylene	<42		42	5.5	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Anthracene	**44**		42	7.0	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Benzo[a]anthracene	**360**		42	5.6	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Benzo[a]pyrene	**450**		42	8.1	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Benzo[b]fluoranthene	**600**		42	9.0	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Benzo[g,h,i]perylene	**280**		42	13	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Benzo[k]fluoranthene	**270**		42	12	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Carbazole	<210		210	110	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Chrysene	**500**		42	11	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Dibenz(a,h)anthracene	<42		42	8.1	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Dibenzofuran	<210		210	49	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Fluoranthene	**910**		42	7.8	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Fluorene	<42		42	5.9	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Hexachloroethane	<210		210	64	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-3(0-1.5)-082514D
Date Collected: 08/25/14 08:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-3
Matrix: Solid
Percent Solids: 76.8

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	270		42	11	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Isophorone	<210		210	47	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Naphthalene	<42		42	6.4	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Nitrobenzene	<42		42	10	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Phenanthrene	230		42	5.8	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Phenol	<210		210	93	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1
Pyrene	800		42	8.3	ug/Kg	☼	09/03/14 07:40	09/05/14 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*35 - 137*	*09/03/14 07:40*	*09/05/14 02:10*	*1*
2-Fluorobiphenyl	*84*		*25 - 119*	*09/03/14 07:40*	*09/05/14 02:10*	*1*
2-Fluorophenol	*96*		*25 - 110*	*09/03/14 07:40*	*09/05/14 02:10*	*1*
Nitrobenzene-d5	*70*		*25 - 115*	*09/03/14 07:40*	*09/05/14 02:10*	*1*
Phenol-d5	*94*		*31 - 110*	*09/03/14 07:40*	*09/05/14 02:10*	*1*
Terphenyl-d14	*116*		*36 - 134*	*09/03/14 07:40*	*09/05/14 02:10*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:07	1
Barium	0.66		0.50	0.050	mg/L		09/05/14 07:55	09/06/14 04:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 04:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 04:07	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:07	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:07	1
Copper	0.015	J	0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:07	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 04:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 04:07	1
Manganese	0.040		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:07	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:07	1
Selenium	0.010	J	0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:07	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:07	1
Zinc	0.26	B	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 04:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.023	J	0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:36	1
Barium	0.68		0.50	0.050	mg/L		09/03/14 09:30	09/05/14 00:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 00:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 00:36	1
Chromium	0.090		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:36	1
Cobalt	0.019	J	0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:36	1
Copper	0.11		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:36	1
Iron	85		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 00:36	1
Lead	0.087		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 00:36	1
Manganese	0.44		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:36	1
Nickel	0.075		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:36	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-3(0-1.5)-082514D
Date Collected: 08/25/14 08:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:36	1
Zinc	**0.54**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 00:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.49	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Arsenic	**7.2**		0.61	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Barium	**82**		0.61	0.065	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Beryllium	**0.65**		0.24	0.049	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Cadmium	**0.21**		0.12	0.016	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Calcium	**38000**	**B**	12	3.3	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Chromium	**18**		0.61	0.071	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Cobalt	**7.4**		0.31	0.061	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Copper	**23**		0.61	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Iron	**17000**		12	5.0	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Lead	**28**		0.31	0.091	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Magnesium	**25000**		6.1	1.3	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Manganese	**370**		0.61	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Nickel	**18**		0.61	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Potassium	**2600**		31	1.8	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Selenium	<0.61		0.61	0.22	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Silver	**0.029**	**J**	0.31	0.022	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Sodium	**950**		61	8.2	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Thallium	**0.92**		0.61	0.26	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Vanadium	**26**		0.31	0.045	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1
Zinc	**54**		1.2	0.25	mg/Kg	☼	09/03/14 18:00	09/04/14 18:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/14 12:30	09/08/14 11:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**43**	**B**	20	8.0	ug/Kg	☼	09/03/14 14:30	09/04/14 11:54	1

General Chemistry

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-2(0-1.5)-082514
Date Collected: 08/25/14 08:40
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-4
Matrix: Solid
Percent Solids: 81.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		08/29/14 00:14	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		08/29/14 00:14	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		08/29/14 00:14	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		08/29/14 00:14	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		08/29/14 00:14	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		08/29/14 00:14	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		08/29/14 00:14	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		08/29/14 00:14	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		08/29/14 00:14	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		08/29/14 00:14	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		08/29/14 00:14	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		08/29/14 00:14	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		08/29/14 00:14	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		08/29/14 00:14	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		08/29/14 00:14	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		08/29/14 00:14	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		08/29/14 00:14	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		08/29/14 00:14	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		08/29/14 00:14	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		08/29/14 00:14	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		08/29/14 00:14	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		08/29/14 00:14	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		08/29/14 00:14	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		08/29/14 00:14	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		08/29/14 00:14	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		08/29/14 00:14	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		08/29/14 00:14	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		08/29/14 00:14	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		08/29/14 00:14	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		08/29/14 00:14	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		08/29/14 00:14	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		08/29/14 00:14	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		08/29/14 00:14	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		08/29/14 00:14	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		08/29/14 00:14	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		08/29/14 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*08/29/14 00:14*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*08/29/14 00:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*08/29/14 00:14*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/29/14 00:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1000		1000	220	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
1,2-Dichlorobenzene	<1000		1000	240	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
1,3-Dichlorobenzene	<1000		1000	230	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
1,4-Dichlorobenzene	<1000		1000	260	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2,2'-oxybis[1-chloropropane]	<1000		1000	230	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-2(0-1.5)-082514
Date Collected: 08/25/14 08:40
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-4
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	<2000		2000	460	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2,4,6-Trichlorophenol	<2000		2000	690	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2,4-Dichlorophenol	<2000		2000	480	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2,4-Dimethylphenol	<2000		2000	760	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2,4-Dinitrophenol	<4100		4100	3500	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2,4-Dinitrotoluene	<1000		1000	320	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2,6-Dinitrotoluene	<1000		1000	400	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2-Chloronaphthalene	<1000		1000	220	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2-Chlorophenol	<1000		1000	340	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2-Methylnaphthalene	<200		200	37	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2-Methylphenol	<1000		1000	320	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2-Nitroaniline	<1000		1000	270	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
2-Nitrophenol	<2000		2000	480	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
3 & 4 Methylphenol	<1000		1000	340	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
3,3'-Dichlorobenzidine	<1000		1000	280	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
3-Nitroaniline	<2000		2000	620	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
4,6-Dinitro-2-methylphenol	<2000		2000	1600	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
4-Bromophenyl phenyl ether	<1000		1000	270	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
4-Chloro-3-methylphenol	<2000		2000	690	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
4-Chloroaniline	<4100		4100	950	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
4-Chlorophenyl phenyl ether	<1000		1000	240	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
4-Nitroaniline	<2000		2000	840	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
4-Nitrophenol	<4100		4100	1900	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Acenaphthene	<200		200	36	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Acenaphthylene	<200		200	27	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Anthracene	<200		200	34	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Benzo[a]anthracene	**210**		200	27	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Benzo[a]pyrene	<200		200	39	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Benzo[b]fluoranthene	**390**		200	44	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Benzo[g,h,i]perylene	<200		200	65	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Benzo[k]fluoranthene	**130**	**J**	200	59	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Bis(2-chloroethoxy)methane	<1000		1000	210	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Bis(2-chloroethyl)ether	<1000		1000	300	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Bis(2-ethylhexyl) phthalate	<1000		1000	370	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Butyl benzyl phthalate	<1000		1000	380	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Carbazole	<1000		1000	520	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Chrysene	**250**		200	55	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Dibenz(a,h)anthracene	<200		200	39	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Dibenzofuran	<1000		1000	240	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Diethyl phthalate	<1000		1000	340	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Dimethyl phthalate	<1000		1000	260	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Di-n-butyl phthalate	<1000		1000	310	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Di-n-octyl phthalate	<1000		1000	330	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Fluoranthene	**550**		200	37	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Fluorene	<200		200	28	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Hexachlorobenzene	<410		410	47	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Hexachlorobutadiene	<1000		1000	320	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Hexachlorocyclopentadiene	<4100		4100	1200	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Hexachloroethane	<1000		1000	310	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-2(0-1.5)-082514
Date Collected: 08/25/14 08:40
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-4
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	<200		200	52	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Isophorone	<1000		1000	230	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Naphthalene	<200		200	31	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Nitrobenzene	<200		200	50	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
N-Nitrosodi-n-propylamine	<1000		1000	250	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
N-Nitrosodiphenylamine	<1000		1000	240	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Pentachlorophenol	<4100		4100	3200	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Phenanthrene	**160**	**J**	200	28	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Phenol	<1000		1000	450	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5
Pyrene	**450**		200	40	ug/Kg	☼	09/03/14 07:40	09/05/14 02:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*114*		*35 - 137*	*09/03/14 07:40*	*09/05/14 02:27*	*5*
2-Fluorobiphenyl	*95*		*25 - 119*	*09/03/14 07:40*	*09/05/14 02:27*	*5*
2-Fluorophenol	*155*	*X*	*25 - 110*	*09/03/14 07:40*	*09/05/14 02:27*	*5*
Nitrobenzene-d5	*70*		*25 - 115*	*09/03/14 07:40*	*09/05/14 02:27*	*5*
Phenol-d5	*90*		*31 - 110*	*09/03/14 07:40*	*09/05/14 02:27*	*5*
Terphenyl-d14	*123*		*36 - 134*	*09/03/14 07:40*	*09/05/14 02:27*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:12	1
Barium	**0.74**		0.50	0.050	mg/L		09/05/14 07:55	09/06/14 04:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 04:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 04:12	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:12	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:12	1
Copper	**0.10**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:12	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 04:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 04:12	1
Manganese	**0.12**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:12	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:12	1
Selenium	**0.011**	**J**	0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:12	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:12	1
Zinc	**0.31**	**B**	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 04:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:39	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		09/03/14 09:30	09/05/14 00:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 00:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 00:39	1
Chromium	**0.022**	**J**	0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:39	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:39	1
Copper	**0.042**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:39	1
Iron	**18**		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 00:39	1
Lead	**0.021**		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 00:39	1
Manganese	**0.12**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:39	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:39	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-2(0-1.5)-082514
Date Collected: 08/25/14 08:40
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:39	1
Zinc	**0.30**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 00:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Arsenic	**7.9**		0.58	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Barium	**110**		0.58	0.062	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Beryllium	**0.59**		0.23	0.047	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Cadmium	**0.092**	**J**	0.12	0.015	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Calcium	**22000**	**B**	12	3.2	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Chromium	**19**		0.58	0.068	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Cobalt	**7.7**		0.29	0.058	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Copper	**24**		0.58	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Iron	**17000**		12	4.8	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Lead	**23**		0.29	0.087	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Magnesium	**13000**		5.8	1.2	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Manganese	**500**		0.58	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Nickel	**16**		0.58	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Potassium	**2000**		29	1.8	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Sodium	**410**		58	7.8	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Thallium	**1.1**		0.58	0.25	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Vanadium	**25**		0.29	0.043	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1
Zinc	**69**		1.2	0.24	mg/Kg	☼	09/03/14 18:00	09/04/14 18:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/14 12:30	09/08/14 12:01	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		09/04/14 12:30	09/05/14 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**	**B**	19	7.4	ug/Kg	☼	09/03/14 14:30	09/04/14 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			08/29/14 19:33	1

Client Sample ID: MG-1(0-1.5)-082514
Date Collected: 08/25/14 08:50
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-5
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		08/29/14 00:37	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		08/29/14 00:37	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/29/14 00:37	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		08/29/14 00:37	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		08/29/14 00:37	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		08/29/14 00:37	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		08/29/14 00:37	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		08/29/14 00:37	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 00:37	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		08/29/14 00:37	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		08/29/14 00:37	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		08/29/14 00:37	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 00:37	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/29/14 00:37	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		08/29/14 00:37	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/29/14 00:37	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		08/29/14 00:37	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		08/29/14 00:37	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 00:37	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		08/29/14 00:37	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		08/29/14 00:37	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 00:37	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		08/29/14 00:37	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 00:37	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		08/29/14 00:37	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 00:37	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/29/14 00:37	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		08/29/14 00:37	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		08/29/14 00:37	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		08/29/14 00:37	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		08/29/14 00:37	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/29/14 00:37	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		08/29/14 00:37	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		08/29/14 00:37	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		08/29/14 00:37	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/29/14 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 122*		*08/29/14 00:37*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*08/29/14 00:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*08/29/14 00:37*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 00:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<940		940	200	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
1,2-Dichlorobenzene	<940		940	220	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
1,3-Dichlorobenzene	<940		940	210	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
1,4-Dichlorobenzene	<940		940	240	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2,2'-oxybis[1-chloropropane]	<940		940	220	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-1(0-1.5)-082514
Date Collected: 08/25/14 08:50
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-5
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	<1900		1900	430	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2,4,6-Trichlorophenol	<1900		1900	640	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2,4-Dichlorophenol	<1900		1900	440	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2,4-Dimethylphenol	<1900		1900	710	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2,4-Dinitrophenol	<3800		3800	3300	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2,4-Dinitrotoluene	<940		940	300	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2,6-Dinitrotoluene	<940		940	370	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2-Chloronaphthalene	<940		940	210	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2-Chlorophenol	<940		940	320	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2-Methylnaphthalene	<190		190	34	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2-Methylphenol	<940		940	300	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2-Nitroaniline	<940		940	250	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
2-Nitrophenol	<1900		1900	440	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
3 & 4 Methylphenol	<940		940	310	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
3,3'-Dichlorobenzidine	<940		940	260	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
3-Nitroaniline	<1900		1900	580	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
4,6-Dinitro-2-methylphenol	<1900		1900	1500	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
4-Bromophenyl phenyl ether	<940		940	250	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
4-Chloro-3-methylphenol	<1900		1900	640	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
4-Chloroaniline	<3800		3800	880	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
4-Chlorophenyl phenyl ether	<940		940	220	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
4-Nitroaniline	<1900		1900	780	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
4-Nitrophenol	<3800		3800	1800	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Acenaphthene	<190		190	34	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Acenaphthylene	<190		190	25	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Anthracene	<190		190	31	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Benzo[a]anthracene	**300**		190	25	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Benzo[a]pyrene	**490**		190	36	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Benzo[b]fluoranthene	**620**		190	40	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Benzo[g,h,i]perylene	<190		190	60	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Benzo[k]fluoranthene	**360**		190	55	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Bis(2-chloroethoxy)methane	<940		940	190	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Bis(2-chloroethyl)ether	<940		940	280	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Bis(2-ethylhexyl) phthalate	<940		940	340	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Butyl benzyl phthalate	<940		940	360	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Carbazole	<940		940	480	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Chrysene	**420**		190	51	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Dibenz(a,h)anthracene	<190		190	36	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Dibenzofuran	<940		940	220	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Diethyl phthalate	<940		940	320	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Dimethyl phthalate	<940		940	240	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Di-n-butyl phthalate	<940		940	280	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Di-n-octyl phthalate	<940		940	310	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Fluoranthene	**820**		190	35	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Fluorene	<190		190	26	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Hexachlorobenzene	<380		380	43	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Hexachlorobutadiene	<940		940	290	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Hexachlorocyclopentadiene	<3800		3800	1100	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Hexachloroethane	<940		940	280	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: MG-1(0-1.5)-082514
Date Collected: 08/25/14 08:50
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-5
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	130	J	190	48	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Isophorone	<940		940	210	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Naphthalene	<190		190	29	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Nitrobenzene	<190		190	47	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
N-Nitrosodi-n-propylamine	<940		940	230	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
N-Nitrosodiphenylamine	<940		940	220	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Pentachlorophenol	<3800		3800	3000	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Phenanthrene	190		190	26	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Phenol	<940		940	420	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5
Pyrene	700		190	37	ug/Kg	☼	09/03/14 07:40	09/05/14 02:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*35 - 137*	*09/03/14 07:40*	*09/05/14 02:43*	*5*
2-Fluorobiphenyl	*75*		*25 - 119*	*09/03/14 07:40*	*09/05/14 02:43*	*5*
2-Fluorophenol	*151*	*X*	*25 - 110*	*09/03/14 07:40*	*09/05/14 02:43*	*5*
Nitrobenzene-d5	*62*		*25 - 115*	*09/03/14 07:40*	*09/05/14 02:43*	*5*
Phenol-d5	*104*		*31 - 110*	*09/03/14 07:40*	*09/05/14 02:43*	*5*
Terphenyl-d14	*98*		*36 - 134*	*09/03/14 07:40*	*09/05/14 02:43*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:17	1
Barium	0.71		0.50	0.050	mg/L		09/05/14 07:55	09/06/14 04:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 04:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 04:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:17	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:17	1
Copper	0.021	J	0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:17	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 04:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 04:17	1
Manganese	0.18		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:17	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 04:17	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 04:17	1
Zinc	0.28	B	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:44	1
Barium	0.80		0.50	0.050	mg/L		09/03/14 09:30	09/05/14 00:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 00:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 00:44	1
Chromium	0.12		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:44	1
Cobalt	0.030		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:44	1
Copper	0.17		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:44	1
Iron	120		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 00:44	1
Lead	0.11		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 00:44	1
Manganese	0.61		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:44	1
Nickel	0.11		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:44	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:44	1

Client Sample ID: MG-1(0-1.5)-082514
Date Collected: 08/25/14 08:50
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:44	1
Zinc	**0.66**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 00:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Arsenic	**5.2**		0.55	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Barium	**96**		0.55	0.059	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Beryllium	**0.57**		0.22	0.044	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Cadmium	**0.23**		0.11	0.014	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Calcium	**18000**	**B**	11	3.0	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Chromium	**24**		0.55	0.064	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Cobalt	**6.3**		0.28	0.055	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Copper	**28**		0.55	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Iron	**17000**		11	4.5	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Lead	**17**		0.28	0.082	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Magnesium	**11000**		5.5	1.1	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Manganese	**370**		0.55	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Nickel	**15**		0.55	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Potassium	**1800**		28	1.7	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Sodium	**1400**		55	7.4	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Thallium	**0.91**		0.55	0.23	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Vanadium	**26**		0.28	0.041	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	1
Zinc	**73**		1.1	0.22	mg/Kg	☼	09/03/14 18:00	09/04/14 18:44	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		09/05/14 12:30	09/08/14 12:03	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		09/04/14 12:30	09/05/14 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**43**	**B**	19	7.3	ug/Kg	☼	09/03/14 14:30	09/04/14 11:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.64**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside 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
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

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
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 - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

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 ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-82997 COC

Chain of Custody Record

Lab Job #: 500-82997

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: 2.8

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

Client: Weston	Client Project #		
Project Name: IDOT-Hanover Park-WO 056			
Project Location/State: Hanover Park, IL	Lab Project #: 500-10034		
Sampler: Sing	Lab PM: Wright		

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	Parameter: SVOCs	Parameter: metals	Parameter: TCL/SPLP metals	Parameter: pH	Comments
1		CB-1(0-1.5)-082514	8-25-14	8:15	2	S	7	X	X	X	X	X	
2		MG-3(0-1.5)-082514		8:30									
3		MG-3(0-1.5)-082514D		8:30									
4		MG-2(0-1.5)-082514		8:40									
5		MG-1(0-1.5)-082514		8:50									
6		GP-1(0-1.5)-082514		9:00									
7		GP-2(0-1.5)-082514		9:10									
8		DE-1(0-2)-082514		9:20									
9		VL1-1(0-2)-082514		9:30									
10		DR-1(0-5)-082514	8-25-14	9:40	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Dario Deva	Weston	8-25-14	14:00		TA	8/25/14	14:00
	TA	8/26/14			TA	8/26/14	8:00AM
	TA	8/26/14	1235		TA	8/26/14	1235

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 (Lake Street) Office Phone Number, if available: _____

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

26W 200 Lake Street

City: Hanover Park State: IL Zip Code: _____

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: 41.979851624 (Decimal Degrees) Longitude: -88.135817362 (-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 525: US Route 20 (Lake Street)

Latitude: 41.979851624 Longitude: -88.135817362

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 WN-1 AND WN-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2551-12. SEE FIGURE 3-3 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82997-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/24/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2551-12
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, DuPage County, Illinois

Field Sample ID	WN-1(0-2)-082514	WN-2(0-2)-082514	**Soil Reference Concentrations**
Sample Date	8/25/2014	8/25/2014	
Location ID	WN-1	WN-2	
Depth	0 - 2	0 - 2	
ISGS Site Number	2551-12	2551-12	
Parameter			
Laboratory pH (s.u.)	8.68	8.71	<6.25, >9.0
VOCs (ug/kg)	**None Detected**		
SVOCs (ug/kg)			
Benzo(a)anthracene	54	270	900 / 1100 / 1800
Benzo(a)pyrene	64	320	90 / 1300 / 2100
Benzo(b)fluoranthene	110	490	900 / 1500 / 2100
Total Metals (mg/kg)			
Arsenic, Total	9 J-	3.9 J-	11.3/13.0
Barium, Total	68 J-	140 J-	1500
Beryllium, Total	0.56 J-	0.76 J-	22
Cadmium, Total	0.26	0.16	5.2
Calcium, Total	55000 J	15000 J	---
Chromium, Total	17 J-	24 J-	21
Cobalt, Total	9 J-	7.7 J-	20
Copper, Total	27 J+	28 J+	2900
Iron, Total	18000 J-	17000 J-	15000/15900
Lead, Total	14 J-	18 J-	107
Magnesium, Total	36000 J	9500 J	325000
Manganese, Total	470 J	240 J	630/636
Mercury, Total	ND	0.038 B	0.89
Nickel, Total	22 J-	20 J-	100
Potassium, Total	3000 J+	1800 J+	---
Silver, Total	ND	ND	4.4
Sodium, Total	1500 J+	2500 J+	---
Thallium, Total	1.1	0.71	2.6
Vanadium, Total	22 J-	24 J-	550
Zinc, Total	49 J-	63 J-	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.65	0.61	2
Cadmium, TCLP	ND	0.002 J	0.005
Cobalt, TCLP	ND	ND	1
Copper, TCLP	0.036	0.07	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	0.028	0.38	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	ND	0.1
Selenium, TCLP	ND	ND	0.05
Zinc, TCLP	0.24 B	0.21 B	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.067	0.037 J	0.05
Barium, SPLP	0.62	1	2
Beryllium, SPLP	0.0047	0.006	0.004
Cadmium, SPLP	ND	0.0022 J	0.005
Chromium, SPLP	0.11	0.17	0.1
Cobalt, SPLP	0.041	0.044	1
Copper, SPLP	0.22	0.2	0.65
Iron, SPLP	150 J+	160 J+	5
Lead, SPLP	0.11	0.14	0.0075
Manganese, SPLP	0.78	0.77	0.15
Mercury, SPLP	0.00021	0.00022	0.002
Nickel, SPLP	0.15	0.14	0.1
Zinc, SPLP	0.62	0.84	5

Summary Table of ISGS Site No. 2551-12
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, 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: 500-82997-1
Client Project/Site: IDOT - Hanover Park - WO 056

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 2:41:12 PM

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

Client Sample ID: WN-1(0-2)-082514
Date Collected: 08/25/14 11:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-19
Matrix: Solid
Percent Solids: 84.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		08/29/14 06:43	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		08/29/14 06:43	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/29/14 06:43	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		08/29/14 06:43	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/29/14 06:43	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		08/29/14 06:43	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/29/14 06:43	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		08/29/14 06:43	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/29/14 06:43	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		08/29/14 06:43	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 06:43	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		08/29/14 06:43	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 06:43	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/29/14 06:43	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		08/29/14 06:43	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/29/14 06:43	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		08/29/14 06:43	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		08/29/14 06:43	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 06:43	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 06:43	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/29/14 06:43	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/29/14 06:43	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		08/29/14 06:43	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		08/29/14 06:43	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		08/29/14 06:43	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 06:43	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 06:43	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		08/29/14 06:43	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		08/29/14 06:43	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		08/29/14 06:43	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		08/29/14 06:43	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/29/14 06:43	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		08/29/14 06:43	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		08/29/14 06:43	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 06:43	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/29/14 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*08/29/14 06:43*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*08/29/14 06:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*08/29/14 06:43*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*08/29/14 06:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: WN-1(0-2)-082514
Date Collected: 08/25/14 11:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-19
Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Anthracene	**9.5**	**J**	37	6.2	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Benzo[a]anthracene	**54**		37	5.0	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Benzo[a]pyrene	**64**		37	7.2	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Benzo[b]fluoranthene	**110**		37	8.0	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Benzo[g,h,i]perylene	**89**		37	12	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Benzo[k]fluoranthene	**30**	**J**	37	11	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Carbazole	<190		190	96	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Chrysene	**74**		37	10	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Fluoranthene	**150**		37	6.9	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: WN-1(0-2)-082514
Date Collected: 08/25/14 11:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-19
Matrix: Solid
Percent Solids: 84.6

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	66		37	9.7	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Isophorone	<190		190	42	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Phenanthrene	41		37	5.2	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Phenol	<190		190	83	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1
Pyrene	110		37	7.4	ug/Kg	☼	09/03/14 07:40	09/04/14 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*35 - 137*	*09/03/14 07:40*	*09/04/14 04:02*	*1*
2-Fluorobiphenyl	*75*		*25 - 119*	*09/03/14 07:40*	*09/04/14 04:02*	*1*
2-Fluorophenol	*96*		*25 - 110*	*09/03/14 07:40*	*09/04/14 04:02*	*1*
Nitrobenzene-d5	*64*		*25 - 115*	*09/03/14 07:40*	*09/04/14 04:02*	*1*
Phenol-d5	*87*		*31 - 110*	*09/03/14 07:40*	*09/04/14 04:02*	*1*
Terphenyl-d14	*118*		*36 - 134*	*09/03/14 07:40*	*09/04/14 04:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<38		38	15	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
alpha-BHC	<38		38	9.4	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
alpha-Chlordane	<38		38	19	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
beta-BHC	<38		38	11	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Chlordane (technical)	<150		150	72	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
4,4'-DDD	<38		38	7.4	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
4,4'-DDE	<38		38	6.1	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
4,4'-DDT	<38		38	20	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
delta-BHC	<38		38	12	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Dieldrin	<38		38	5.1	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Endosulfan I	<38		38	16	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Endosulfan II	<38		38	6.0	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Endosulfan sulfate	<38		38	6.8	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Endrin	<38		38	5.1	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Endrin aldehyde	<38		38	6.2	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Endrin ketone	<38		38	8.4	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
gamma-BHC (Lindane)	<38		38	8.0	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
gamma-Chlordane	<38		38	9.7	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Heptachlor	<38		38	16	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Heptachlor epoxide	<38		38	13	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Methoxychlor	<180		180	7.2	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20
Toxaphene	<370		370	160	ug/Kg	☼	08/29/14 08:02	08/29/14 18:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*56 - 128*	*08/29/14 08:02*	*08/29/14 18:38*	*20*
Tetrachloro-m-xylene	*0*	*D*	*45 - 112*	*08/29/14 08:02*	*08/29/14 18:38*	*20*

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: WN-1(0-2)-082514
Date Collected: 08/25/14 11:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-19
Matrix: Solid
Percent Solids: 84.6

Method: 8151 - Herbicides

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<380		380	93	ug/Kg	☼	09/03/14 09:10	09/08/14 15:34	10
2,4-D	<380		380	110	ug/Kg	☼	09/03/14 09:10	09/08/14 15:34	10
2,4-DB	<380		380	110	ug/Kg	☼	09/03/14 09:10	09/08/14 15:34	10
Silvex (2,4,5-TP)	<380		380	98	ug/Kg	☼	09/03/14 09:10	09/08/14 15:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*70*		*32 - 122*	*09/03/14 09:10*	*09/08/14 15:34*	*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		09/05/14 07:55	09/06/14 05:36	1
Barium	**0.65**		0.50	0.050	mg/L		09/05/14 07:55	09/06/14 05:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 05:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 05:36	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:36	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:36	1
Copper	**0.036**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:36	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 05:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 05:36	1
Manganese	**0.028**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:36	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:36	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 05:36	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:36	1
Zinc	**0.24**	**B**	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.067**		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 01:57	1
Barium	**0.62**		0.50	0.050	mg/L		09/03/14 09:30	09/05/14 01:57	1
Beryllium	**0.0047**		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 01:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 01:57	1
Chromium	**0.11**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:57	1
Cobalt	**0.041**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:57	1
Copper	**0.22**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:57	1
Iron	**150**		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 01:57	1
Lead	**0.11**		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 01:57	1
Manganese	**0.78**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:57	1
Nickel	**0.15**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:57	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 01:57	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 01:57	1
Zinc	**0.62**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 01:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Arsenic	**9.0**		0.55	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Barium	**68**		0.55	0.059	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Beryllium	**0.56**		0.22	0.044	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Cadmium	**0.26**		0.11	0.014	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Calcium	**55000**	**B**	11	3.0	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: WN-1(0-2)-082514
Date Collected: 08/25/14 11:10
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-19
Matrix: Solid
Percent Solids: 84.6

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	17		0.55	0.064	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Cobalt	9.0		0.28	0.055	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Copper	27		0.55	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Iron	18000		11	4.5	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Lead	14		0.28	0.082	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Magnesium	36000		5.5	1.1	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Manganese	470		0.55	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Nickel	22		0.55	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Potassium	3000		28	1.7	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Sodium	1500		55	7.4	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Thallium	1.1		0.55	0.23	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Vanadium	22		0.28	0.041	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	1
Zinc	49		1.1	0.22	mg/Kg	☼	09/03/14 18:00	09/04/14 20:26	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		09/05/14 12:30	09/08/14 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:18	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	29	B	19	7.6	ug/Kg	☼	09/03/14 14:30	09/04/14 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.68		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: WN-2(0-2)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-20
Matrix: Solid
Percent Solids: 82.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		08/29/14 07:06	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		08/29/14 07:06	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/29/14 07:06	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		08/29/14 07:06	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		08/29/14 07:06	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		08/29/14 07:06	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		08/29/14 07:06	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		08/29/14 07:06	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 07:06	1
Chloroform	<6.0		6.0	0.70	ug/Kg	☼		08/29/14 07:06	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		08/29/14 07:06	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		08/29/14 07:06	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 07:06	1
Dibromochloromethane	<6.0		6.0	1.1	ug/Kg	☼		08/29/14 07:06	1
1,1-Dichloroethane	<6.0		6.0	0.96	ug/Kg	☼		08/29/14 07:06	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	☼		08/29/14 07:06	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	☼		08/29/14 07:06	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		08/29/14 07:06	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 07:06	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		08/29/14 07:06	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		08/29/14 07:06	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 07:06	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		08/29/14 07:06	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		08/29/14 07:06	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		08/29/14 07:06	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		08/29/14 07:06	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/29/14 07:06	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		08/29/14 07:06	1
Toluene	<6.0		6.0	0.85	ug/Kg	☼		08/29/14 07:06	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		08/29/14 07:06	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		08/29/14 07:06	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		08/29/14 07:06	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		08/29/14 07:06	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		08/29/14 07:06	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		08/29/14 07:06	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		08/29/14 07:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*08/29/14 07:06*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*08/29/14 07:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*08/29/14 07:06*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/29/14 07:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: WN-2(0-2)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-20
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Anthracene	**35**	**J**	40	6.7	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Benzo[a]anthracene	**270**		40	5.4	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Benzo[a]pyrene	**320**		40	7.8	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Benzo[b]fluoranthene	**490**		40	8.7	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Benzo[g,h,i]perylene	**330**		40	13	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Benzo[k]fluoranthene	**200**		40	12	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Bis(2-ethylhexyl) phthalate	**110**	**J**	200	73	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Carbazole	<200		200	100	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Chrysene	**350**		40	11	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Fluoranthene	**680**		40	7.4	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: WN-2(0-2)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-20
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**230**		40	10	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Isophorone	<200		200	45	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Naphthalene	<40		40	6.2	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Phenanthrene	**200**		40	5.6	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Phenol	<200		200	89	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1
Pyrene	**1200**		40	8.0	ug/Kg	☼	09/03/14 07:40	09/04/14 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*09/03/14 07:40*	*09/04/14 04:19*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*09/03/14 07:40*	*09/04/14 04:19*	*1*
2-Fluorophenol	*88*		*25 - 110*	*09/03/14 07:40*	*09/04/14 04:19*	*1*
Nitrobenzene-d5	*63*		*25 - 115*	*09/03/14 07:40*	*09/04/14 04:19*	*1*
Phenol-d5	*78*		*31 - 110*	*09/03/14 07:40*	*09/04/14 04:19*	*1*
Terphenyl-d14	*208*	*X*	*36 - 134*	*09/03/14 07:40*	*09/04/14 04:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<39		39	16	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
alpha-BHC	<39		39	9.8	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
alpha-Chlordane	<39		39	20	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
beta-BHC	<39		39	12	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Chlordane (technical)	<160		160	75	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
4,4'-DDD	<39		39	7.7	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
4,4'-DDE	<39		39	6.4	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
4,4'-DDT	<39		39	20	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
delta-BHC	<39		39	12	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Dieldrin	<39		39	5.3	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Endosulfan I	<39		39	17	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Endosulfan II	<39		39	6.3	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Endosulfan sulfate	<39		39	7.1	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Endrin	<39		39	5.4	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Endrin aldehyde	<39		39	6.5	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Endrin ketone	<39		39	8.8	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
gamma-BHC (Lindane)	<39		39	8.4	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
gamma-Chlordane	<39		39	10	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Heptachlor	<39		39	16	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Heptachlor epoxide	<39		39	14	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Methoxychlor	<190		190	7.5	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20
Toxaphene	<390		390	160	ug/Kg	☼	08/29/14 08:02	08/29/14 18:58	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*56 - 128*	*08/29/14 08:02*	*08/29/14 18:58*	*20*
Tetrachloro-m-xylene	*0*	*D*	*45 - 112*	*08/29/14 08:02*	*08/29/14 18:58*	*20*

Client Sample ID: WN-2(0-2)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-20
Matrix: Solid
Percent Solids: 82.7

Method: 8151 - Herbicides

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<390		390	94	ug/Kg	☼	09/03/14 09:10	09/08/14 15:57	10
2,4-D	<390		390	110	ug/Kg	☼	09/03/14 09:10	09/08/14 15:57	10
2,4-DB	<390		390	110	ug/Kg	☼	09/03/14 09:10	09/08/14 15:57	10
Silvex (2,4,5-TP)	<390		390	99	ug/Kg	☼	09/03/14 09:10	09/08/14 15:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*73*		*32 - 122*	*09/03/14 09:10*	*09/08/14 15:57*	*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		09/05/14 07:55	09/06/14 05:41	1
Barium	**0.61**		0.50	0.050	mg/L		09/05/14 07:55	09/06/14 05:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 05:41	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 05:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:41	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:41	1
Copper	**0.070**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:41	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 05:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 05:41	1
Manganese	**0.38**		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:41	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:41	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 07:55	09/06/14 05:41	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 05:41	1
Zinc	**0.21**	**B**	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 05:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.037**	**J**	0.050	0.010	mg/L		09/03/14 09:30	09/05/14 02:01	1
Barium	**1.0**		0.50	0.050	mg/L		09/03/14 09:30	09/05/14 02:01	1
Beryllium	**0.0060**		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 02:01	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 02:01	1
Chromium	**0.17**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 02:01	1
Cobalt	**0.044**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 02:01	1
Copper	**0.20**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 02:01	1
Iron	**160**		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 02:01	1
Lead	**0.14**		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 02:01	1
Manganese	**0.77**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 02:01	1
Nickel	**0.14**		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 02:01	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 02:01	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 02:01	1
Zinc	**0.84**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 02:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Arsenic	**3.9**		0.59	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Barium	**140**		0.59	0.064	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Beryllium	**0.76**		0.24	0.048	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Cadmium	**0.16**		0.12	0.015	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Calcium	**15000**	**B**	12	3.2	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: WN-2(0-2)-082514
Date Collected: 08/25/14 11:20
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-20
Matrix: Solid
Percent Solids: 82.7

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	24		0.59	0.069	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Cobalt	7.7		0.30	0.059	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Copper	28		0.59	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Iron	17000		12	4.9	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Lead	18		0.30	0.089	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Magnesium	9500		5.9	1.2	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Manganese	240		0.59	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Nickel	20		0.59	0.12	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Potassium	1800		30	1.8	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Sodium	2500		59	8.0	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Thallium	0.71		0.59	0.25	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Vanadium	24		0.30	0.044	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1
Zinc	63		1.2	0.24	mg/Kg	☼	09/03/14 18:00	09/04/14 20:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/14 12:30	09/08/14 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 12:20	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	38	B	20	7.7	ug/Kg	☼	09/03/14 14:30	09/04/14 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.71		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside 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
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

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
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 - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-82997

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

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

Client	Client Project #	Preservative	7	7	7	7	7	7	7	
Weston Solutions										
Project Name		Parameter								
IDOT-Hanover Park-WO 0056										
Project Location/State	Lab Project #									
Hanover Park, IL	500100034									
Sampler	Lab PM									
Dave Sena	Wright		VOCs	SVOCs	Metals	Triplicate Metals	H2	Pesticides	Herbicides	

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		DR-2(0-5)-082514 ~~-082514~~ MS	8-25-14	10:00	2	S	
12		DR-2(0-5)-082514D ~~-082514~~ MSD		10:00			
13		GV-1(0-1.5)-082514		10:10			
14		GV-2(0-1.5)-082514		10:20			
15		DR-3(0-5)-082514		10:30			
16		DR-4(0-5)-082514		10:40			
17		VL2-1(0-2)-082514		10:50			
18		VL2-2(0-2)-082514		11:00			
19		WN-1(0-2)-082514		11:10			
20		WN-2(0-2)-082514	8-25-14		2	S	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Dave Sena	Weston	8-25-14	1400		TA	8/26/14	0900
	TA	8/26/14			TA	8/26/14	800AM
	TA	8/26	1235		TA	8/26/14	1235

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
Item 2 ID - DR-2(0-5)-082514D

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 525: US Route 20 (Lake Street) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
1300 Green brook Boulevard

City: Hanover Park State: IL Zip Code: _____

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: 41.979775631 Longitude: -88.136377987
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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 525: US Route 20 (Lake Street)

Latitude: 41.979775631 Longitude: -88.136377987

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. 2551-14. SEE FIGURE 3-3 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82997-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

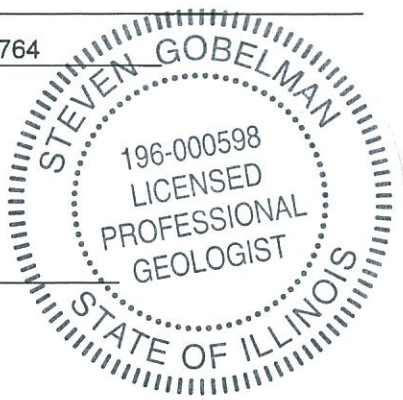
City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/24/15
Date:



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

Summary Table of ISGS Site No. 2551-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, DuPage County, Illinois

Field Sample ID	CB-1(0-1.5)-082514	**Soil Reference Concentrations**
Sample Date	8/25/2014	
Location ID	CB-1	
Depth	0 - 1.5	
ISGS Site Number	2551-14	
Parameter		
Laboratory pH (s.u.)	8.45	<6.25, >9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)		
Benzo(a)anthracene	15 J	900 / 1100 / 1800
Benzo(b)fluoranthene	41 J	900 / 1500 / 2100
Total Metals (mg/kg)		
Arsenic, Total	7.2 J-	11.3/13.0
Barium, Total	93 J-	1500
Beryllium, Total	0.7 J-	22
Cadmium, Total	ND	5.2
Calcium, Total	9900 J	---
Chromium, Total	19 J-	21
Cobalt, Total	9.5 J-	20
Copper, Total	20 J+	2900
Iron, Total	20000 J-	15000/15900
Lead, Total	17 J-	107
Magnesium, Total	6900 J	325000
Manganese, Total	440 J	630/636
Mercury, Total	0.034 B	0.89
Nickel, Total	19 J-	100
Potassium, Total	2300 J+	---
Silver, Total	ND	4.4
Sodium, Total	520 J+	---
Thallium, Total	1.1	2.6
Vanadium, Total	28 J-	550
Zinc, Total	51 J-	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.44 J	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.77	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Selenium, TCLP	0.011 J	0.05
Zinc, TCLP	ND	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.012 J	0.05
Barium, SPLP	0.37 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.035	0.1
Cobalt, SPLP	0.011 J	1
Copper, SPLP	0.092	0.65
Iron, SPLP	35 J+	5
Lead, SPLP	0.028	0.0075
Manganese, SPLP	0.19	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.036	0.1
Zinc, SPLP	0.3	5

Summary Table of ISGS Site No. 2551-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, 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: 500-82997-1
Client Project/Site: IDOT - Hanover Park - WO 056

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 2:41:12 PM

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

Client Sample ID: CB-1(0-1.5)-082514
Date Collected: 08/25/14 08:15
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-1
Matrix: Solid
Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		08/28/14 23:05	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		08/28/14 23:05	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 23:05	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		08/28/14 23:05	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/28/14 23:05	1
Carbon disulfide	<5.9		5.9	0.87	ug/Kg	☼		08/28/14 23:05	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/28/14 23:05	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		08/28/14 23:05	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 23:05	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		08/28/14 23:05	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 23:05	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		08/28/14 23:05	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		08/28/14 23:05	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 23:05	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		08/28/14 23:05	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		08/28/14 23:05	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		08/28/14 23:05	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		08/28/14 23:05	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		08/28/14 23:05	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 23:05	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/28/14 23:05	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/28/14 23:05	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		08/28/14 23:05	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		08/28/14 23:05	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		08/28/14 23:05	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		08/28/14 23:05	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 23:05	1
Tetrachloroethene	<5.9		5.9	0.89	ug/Kg	☼		08/28/14 23:05	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		08/28/14 23:05	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		08/28/14 23:05	1
trans-1,3-Dichloropropene	<5.9		5.9	1.0	ug/Kg	☼		08/28/14 23:05	1
1,1,1-Trichloroethane	<5.9		5.9	0.87	ug/Kg	☼		08/28/14 23:05	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		08/28/14 23:05	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		08/28/14 23:05	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/28/14 23:05	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/28/14 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/28/14 23:05*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*08/28/14 23:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*08/28/14 23:05*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/28/14 23:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: CB-1(0-1.5)-082514
Date Collected: 08/25/14 08:15
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-1
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2-Methylnaphthalene	**7.9**	**J**	37	6.8	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Benzo[a]anthracene	**15**	**J**	37	5.0	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Benzo[b]fluoranthene	**41**		37	8.0	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Benzo[k]fluoranthene	**22**	**J**	37	11	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Carbazole	<190		190	96	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Chrysene	**34**	**J**	37	10	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Fluoranthene	**49**		37	6.9	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

Client Sample ID: CB-1(0-1.5)-082514
Date Collected: 08/25/14 08:15
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-1
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	11	J	37	9.7	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Isophorone	<190		190	42	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Phenanthrene	17	J	37	5.2	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Phenol	<190		190	83	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1
Pyrene	40		37	7.4	ug/Kg	☼	09/03/14 07:40	09/04/14 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 137*	*09/03/14 07:40*	*09/04/14 22:41*	*1*
2-Fluorobiphenyl	*94*		*25 - 119*	*09/03/14 07:40*	*09/04/14 22:41*	*1*
2-Fluorophenol	*118*	*X*	*25 - 110*	*09/03/14 07:40*	*09/04/14 22:41*	*1*
Nitrobenzene-d5	*86*		*25 - 115*	*09/03/14 07:40*	*09/04/14 22:41*	*1*
Phenol-d5	*108*		*31 - 110*	*09/03/14 07:40*	*09/04/14 22:41*	*1*
Terphenyl-d14	*150*	*X*	*36 - 134*	*09/03/14 07:40*	*09/04/14 22:41*	*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		09/05/14 07:55	09/06/14 03:34	1
Barium	0.44	J	0.50	0.050	mg/L		09/05/14 07:55	09/06/14 03:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 07:55	09/06/14 03:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 07:55	09/06/14 03:34	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 03:34	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 03:34	1
Copper	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 03:34	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 07:55	09/06/14 03:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 07:55	09/06/14 03:34	1
Manganese	0.77		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 03:34	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 03:34	1
Selenium	0.011	J	0.050	0.010	mg/L		09/05/14 07:55	09/06/14 03:34	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 07:55	09/06/14 03:34	1
Zinc	0.028	J B	0.10	0.020	mg/L		09/05/14 07:55	09/06/14 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:16	1
Barium	0.37	J	0.50	0.050	mg/L		09/03/14 09:30	09/05/14 00:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 09:30	09/05/14 00:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 09:30	09/05/14 00:16	1
Chromium	0.035		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:16	1
Cobalt	0.011	J	0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:16	1
Copper	0.092		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:16	1
Iron	35		0.20	0.20	mg/L		09/03/14 09:30	09/05/14 00:16	1
Lead	0.028		0.0075	0.0075	mg/L		09/03/14 09:30	09/05/14 00:16	1
Manganese	0.19		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:16	1
Nickel	0.036		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:16	1
Selenium	<0.050		0.050	0.010	mg/L		09/03/14 09:30	09/05/14 00:16	1

Client Sample ID: CB-1(0-1.5)-082514
Date Collected: 08/25/14 08:15
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82997-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/03/14 09:30	09/05/14 00:16	1
Zinc	**0.30**		0.10	0.020	mg/L		09/03/14 09:30	09/05/14 00:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Arsenic	**7.2**		0.53	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Barium	**93**		0.53	0.057	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Beryllium	**0.70**		0.21	0.043	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Cadmium	<0.11		0.11	0.014	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Calcium	**9900**	**B**	11	2.9	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Chromium	**19**		0.53	0.062	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Cobalt	**9.5**		0.27	0.053	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Copper	**20**		0.53	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Iron	**20000**		11	4.4	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Lead	**17**		0.27	0.080	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Magnesium	**6900**		5.3	1.1	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Manganese	**440**		0.53	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Nickel	**19**		0.53	0.11	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Potassium	**2300**		27	1.6	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Sodium	**520**		53	7.2	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Thallium	**1.1**		0.53	0.23	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Vanadium	**28**		0.27	0.040	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1
Zinc	**51**		1.1	0.22	mg/Kg	☼	09/03/14 18:00	09/04/14 17:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/14 12:30	09/08/14 11:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 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	**34**	**B**	20	7.7	ug/Kg	☼	09/03/14 14:30	09/04/14 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.45**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside 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
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

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
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 - Hanover Park - WO 056

TestAmerica Job ID: 500-82997-1

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 ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-82997 COC

Chain of Custody Record

Lab Job #: 500-82997

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: 2.8

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

Client: Weston	Client Project #		
Project Name: IDOT-Hanover Park-WO 056			
Project Location/State: Hanover Park, IL	Lab Project #: 500-10034		
Sampler: Sing	Lab PM: Wright		

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	Parameter: SVOCs	Parameter: metals	Parameter: TCL/SPLP metals	Parameter: pH	Comments
1		CB-1(0-1.5)-082514	8-25-14	8:15	2	S	7	X	X	X	X	X	
2		MG-3(0-1.5)-082514		8:30									
3		MG-3(0-1.5)-082514D		8:30									
4		MG-2(0-1.5)-082514		8:40									
5		MG-1(0-1.5)-082514		8:50									
6		GP-1(0-1.5)-082514		9:00									
7		GP-2(0-1.5)-082514		9:10									
8		DE-1(0-2)-082514		9:20									
9		VL1-1(0-2)-082514		9:30									
10		DR-1(0-5)-082514	8-25-14	9:40	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Dario Deva	Weston	8-25-14	14:00		TA	8/25/14	14:00
	TA	8/26/14			TA	8/26/14	8:00AM
	TA	8/26/14	1235		TA	8/26/14	1235

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

Illinois Environmental Protection Agency

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

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 (Lake Street) Office Phone Number, if available: _____

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

1200 block of Lake Street

City: Hanover Park State: IL Zip Code: _____

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: 41.983413567 (Decimal Degrees) Longitude: -88.141764142 (-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 525: US Route 20 (Lake Street)

Latitude: 41.983413567 Longitude: -88.141764142

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 VL3-2 AND VL3-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2551-20. SEE FIGURES 3-1/3-2 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82998-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/24/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2551-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to
Hanover Park, DuPage County, Illinois

Field Sample ID	VL3-2(0-1.5)-082514	VL3-3(0-1.5)-082514	**Soil Reference Concentrations**
Sample Date	8/25/2014	8/25/2014	
Location ID	VL3-2	VL3-3	
Depth	0 - 1.5	0 - 1.5	
ISGS Site Number	2551-20	2551-20	
Parameter			
Laboratory pH (s.u.)	8.55	8.59	<6.25, >9.0
VOCs (ug/kg)	**None Detected**		
SVOCs (ug/kg)			
Benzo(a)anthracene	19 J	42	900 / 1100 / 1800
Benzo(a)pyrene	20 J	56	90 / 1300 / 2100
Benzo(b)fluoranthene	34 J	68	900 / 1500 / 2100
Dibenzo(a,h)anthracene	16 J	ND	90 / 200 / 420
Total Metals (mg/kg)			
Arsenic, Total	8.1 J	8.8 J	11.3/13.0
Barium, Total	57	49	1500
Beryllium, Total	0.49 J-	0.63 J-	22
Cadmium, Total	0.29	0.18	5.2
Calcium, Total	80000 J	29000 J	---
Chromium, Total	15 J	18 J	21
Cobalt, Total	15	12	20
Copper, Total	23	24	2900
Iron, Total	18000 J	21000 J	15000/15900
Lead, Total	15 J	17 J	107
Magnesium, Total	33000 J+	19000 J+	325000
Manganese, Total	470 J-	400 J-	630/636
Mercury, Total	0.025	0.023	0.89
Nickel, Total	33	30	100
Potassium, Total	2000 J	1900 J	---
Silver, Total	ND	ND	4.4
Sodium, Total	1200 J	860 J	---
Thallium, Total	0.44 J	0.33 J	2.6
Vanadium, Total	18	23	550
Zinc, Total	60 J+	67 J+	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.39 J	0.47 J	2
Cadmium, TCLP	ND	ND	0.005
Cobalt, TCLP	ND	ND	1
Copper, TCLP	ND	0.016 J	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	0.33	0.45	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	0.065	0.1
Selenium, TCLP	ND	ND	0.05
Zinc, TCLP	ND	0.22	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.066	0.063	0.05
Barium, SPLP	0.44 J	0.48 J	2
Beryllium, SPLP	0.0052	0.0053	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	0.13	0.14	0.1
Cobalt, SPLP	0.042	0.045	1
Copper, SPLP	0.17	0.16	0.65
Iron, SPLP	150 J+	150 J+	5
Lead, SPLP	0.1	0.1	0.0075
Manganese, SPLP	0.6	0.68	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.15	0.16	0.1
Zinc, SPLP	0.46 B	0.53 B	5

Summary Table of ISGS Site No. 2551-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, 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.

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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: 500-82998-1
Client Project/Site: IDOT - Hanover Park - WO 056

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 3:38:40 PM

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

Client Sample ID: VL3-2(0-1.5)-082514
Date Collected: 08/25/14 12:15
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-4
Matrix: Solid
Percent Solids: 89.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	☼		08/29/14 07:12	1
Benzene	<5.6		5.6	0.77	ug/Kg	☼		08/29/14 07:12	1
Bromodichloromethane	<5.6		5.6	0.97	ug/Kg	☼		08/29/14 07:12	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		08/29/14 07:12	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		08/29/14 07:12	1
Carbon disulfide	<5.6		5.6	0.84	ug/Kg	☼		08/29/14 07:12	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		08/29/14 07:12	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		08/29/14 07:12	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		08/29/14 07:12	1
Chloroform	<5.6		5.6	0.65	ug/Kg	☼		08/29/14 07:12	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		08/29/14 07:12	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		08/29/14 07:12	1
cis-1,3-Dichloropropene	<5.6		5.6	0.74	ug/Kg	☼		08/29/14 07:12	1
Dibromochloromethane	<5.6		5.6	0.98	ug/Kg	☼		08/29/14 07:12	1
1,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg	☼		08/29/14 07:12	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/29/14 07:12	1
1,1-Dichloroethene	<5.6		5.6	0.91	ug/Kg	☼		08/29/14 07:12	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		08/29/14 07:12	1
1,3-Dichloropropene, Total	<5.6		5.6	0.74	ug/Kg	☼		08/29/14 07:12	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		08/29/14 07:12	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		08/29/14 07:12	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		08/29/14 07:12	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		08/29/14 07:12	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		08/29/14 07:12	1
Methyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg	☼		08/29/14 07:12	1
Styrene	<5.6		5.6	0.74	ug/Kg	☼		08/29/14 07:12	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/29/14 07:12	1
Tetrachloroethene	<5.6		5.6	0.86	ug/Kg	☼		08/29/14 07:12	1
Toluene	<5.6		5.6	0.79	ug/Kg	☼		08/29/14 07:12	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		08/29/14 07:12	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		08/29/14 07:12	1
1,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg	☼		08/29/14 07:12	1
1,1,2-Trichloroethane	<5.6		5.6	0.77	ug/Kg	☼		08/29/14 07:12	1
Trichloroethene	<5.6		5.6	0.93	ug/Kg	☼		08/29/14 07:12	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		08/29/14 07:12	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/29/14 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/29/14 07:12*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*08/29/14 07:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*08/29/14 07:12*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*08/29/14 07:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

Client Sample ID: VL3-2(0-1.5)-082514
Date Collected: 08/25/14 12:15
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-4
Matrix: Solid
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2,4-Dinitrophenol	<720	*	720	620	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
4,6-Dinitro-2-methylphenol	<350	*	350	290	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Anthracene	<35		35	5.9	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Benzo[a]anthracene	**19**	**J**	35	4.8	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Benzo[a]pyrene	**20**	**J**	35	6.9	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Benzo[b]fluoranthene	**34**	**J**	35	7.7	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Benzo[g,h,i]perylene	**30**	**J**	35	11	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Benzo[k]fluoranthene	**11**	**J**	35	10	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Carbazole	<180		180	92	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Chrysene	**29**	**J**	35	9.7	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Dibenz(a,h)anthracene	**16**	**J**	35	6.9	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Fluoranthene	**25**	**J**	35	6.6	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

Client Sample ID: VL3-2(0-1.5)-082514
Date Collected: 08/25/14 12:15
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-4
Matrix: Solid
Percent Solids: 89.1

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	24	J	35	9.2	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Isophorone	<180		180	40	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Phenanthrene	12	J	35	4.9	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Phenol	<180		180	79	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1
Pyrene	28	J	35	7.0	ug/Kg	☼	09/03/14 18:54	09/04/14 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*09/03/14 18:54*	*09/04/14 15:30*	*1*
2-Fluorobiphenyl	*49*		*25 - 119*	*09/03/14 18:54*	*09/04/14 15:30*	*1*
2-Fluorophenol	*33*		*25 - 110*	*09/03/14 18:54*	*09/04/14 15:30*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*09/03/14 18:54*	*09/04/14 15:30*	*1*
Phenol-d5	*32*		*31 - 110*	*09/03/14 18:54*	*09/04/14 15:30*	*1*
Terphenyl-d14	*71*		*36 - 134*	*09/03/14 18:54*	*09/04/14 15:30*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/14 08:10	09/06/14 03:09	1
Barium	0.39	J	0.50	0.050	mg/L		09/05/14 08:10	09/06/14 03:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 08:10	09/06/14 03:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 08:10	09/06/14 03:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:09	1
Copper	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:09	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 08:10	09/06/14 03:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 08:10	09/06/14 03:09	1
Manganese	0.33		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:09	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:09	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 08:10	09/06/14 03:09	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:09	1
Zinc	<0.10		0.10	0.020	mg/L		09/05/14 08:10	09/06/14 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		09/04/14 15:15	09/06/14 01:49	1
Barium	0.44	J	0.50	0.050	mg/L		09/04/14 15:15	09/06/14 01:49	1
Beryllium	0.0052		0.0040	0.0040	mg/L		09/04/14 15:15	09/06/14 01:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 15:15	09/06/14 01:49	1
Chromium	0.13		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:49	1
Cobalt	0.042		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:49	1
Copper	0.17		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:49	1
Iron	150		0.20	0.20	mg/L		09/04/14 15:15	09/06/14 01:49	1
Lead	0.10		0.0075	0.0075	mg/L		09/04/14 15:15	09/06/14 01:49	1
Manganese	0.60		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:49	1
Nickel	0.15		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:49	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 15:15	09/06/14 01:49	1

Client Sample ID: VL3-2(0-1.5)-082514
Date Collected: 08/25/14 12:15
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:49	1
Zinc	**0.46**	**B**	0.10	0.020	mg/L		09/04/14 15:15	09/06/14 01:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Arsenic	**8.1**		0.55	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Barium	**57**		0.55	0.059	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Beryllium	**0.49**		0.22	0.044	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Cadmium	**0.29**		0.11	0.014	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Calcium	**80000**		110	30	mg/Kg	☼	09/03/14 17:30	09/05/14 15:34	10
Chromium	**15**		0.55	0.064	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Cobalt	**15**		0.28	0.055	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Copper	**23**		0.55	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Iron	**18000**		11	4.5	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Lead	**15**		0.28	0.082	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Magnesium	**33000**		5.5	1.1	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Manganese	**470**		0.55	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Nickel	**33**		0.55	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Potassium	**2000**		28	1.7	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Selenium	**0.27**	**J B**	0.55	0.20	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Sodium	**1200**		55	7.4	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Thallium	**0.44**	**J**	0.55	0.23	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Vanadium	**18**		0.28	0.041	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	1
Zinc	**60**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 17:30	09/05/14 02:27	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		09/08/14 12:00	09/09/14 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		17	6.9	ug/Kg	☼	09/04/14 15:00	09/05/14 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.55**		0.200	0.200	SU			09/03/14 11:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

Client Sample ID: VL3-3(0-1.5)-082514
Date Collected: 08/25/14 12:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-5
Matrix: Solid
Percent Solids: 86.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		08/29/14 07:36	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		08/29/14 07:36	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/29/14 07:36	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/29/14 07:36	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		08/29/14 07:36	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		08/29/14 07:36	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/29/14 07:36	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/29/14 07:36	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/29/14 07:36	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		08/29/14 07:36	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/29/14 07:36	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/29/14 07:36	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/29/14 07:36	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/29/14 07:36	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/29/14 07:36	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/29/14 07:36	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		08/29/14 07:36	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/29/14 07:36	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/29/14 07:36	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/29/14 07:36	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/29/14 07:36	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/29/14 07:36	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/29/14 07:36	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/29/14 07:36	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		08/29/14 07:36	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/29/14 07:36	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/29/14 07:36	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		08/29/14 07:36	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/29/14 07:36	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		08/29/14 07:36	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/29/14 07:36	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/29/14 07:36	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/29/14 07:36	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		08/29/14 07:36	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/29/14 07:36	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		08/29/14 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/29/14 07:36*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*08/29/14 07:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*08/29/14 07:36*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*08/29/14 07:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

Client Sample ID: VL3-3(0-1.5)-082514
Date Collected: 08/25/14 12:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-5
Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2,4-Dinitrophenol	<770	*	770	670	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
4,6-Dinitro-2-methylphenol	<380	*	380	310	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Anthracene	**10**	**J**	38	6.4	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Benzo[a]anthracene	**42**		38	5.1	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Benzo[a]pyrene	**56**		38	7.4	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Benzo[b]fluoranthene	**68**		38	8.2	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Benzo[g,h,i]perylene	**60**		38	12	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Benzo[k]fluoranthene	**28**	**J**	38	11	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Carbazole	<190		190	98	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Chrysene	**53**		38	10	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Fluoranthene	**57**		38	7.1	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Fluorene	<38		38	5.3	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

Client Sample ID: VL3-3(0-1.5)-082514
Date Collected: 08/25/14 12:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-5
Matrix: Solid
Percent Solids: 86.1

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	**55**		38	9.9	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Isophorone	<190		190	43	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Phenanthrene	**37**	**J**	38	5.3	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Phenol	<190		190	84	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1
Pyrene	**65**		38	7.6	ug/Kg	☼	09/03/14 18:54	09/04/14 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 137*	*09/03/14 18:54*	*09/04/14 15:50*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*09/03/14 18:54*	*09/04/14 15:50*	*1*
2-Fluorophenol	*37*		*25 - 110*	*09/03/14 18:54*	*09/04/14 15:50*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*09/03/14 18:54*	*09/04/14 15:50*	*1*
Phenol-d5	*36*		*31 - 110*	*09/03/14 18:54*	*09/04/14 15:50*	*1*
Terphenyl-d14	*76*		*36 - 134*	*09/03/14 18:54*	*09/04/14 15:50*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/14 08:10	09/06/14 03:14	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/05/14 08:10	09/06/14 03:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 08:10	09/06/14 03:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 08:10	09/06/14 03:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:14	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:14	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:14	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 08:10	09/06/14 03:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 08:10	09/06/14 03:14	1
Manganese	**0.45**		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:14	1
Nickel	**0.065**		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:14	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 08:10	09/06/14 03:14	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:14	1
Zinc	**0.22**		0.10	0.020	mg/L		09/05/14 08:10	09/06/14 03:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.063**		0.050	0.010	mg/L		09/04/14 15:15	09/06/14 01:53	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		09/04/14 15:15	09/06/14 01:53	1
Beryllium	**0.0053**		0.0040	0.0040	mg/L		09/04/14 15:15	09/06/14 01:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 15:15	09/06/14 01:53	1
Chromium	**0.14**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:53	1
Cobalt	**0.045**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:53	1
Copper	**0.16**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:53	1
Iron	**150**		0.20	0.20	mg/L		09/04/14 15:15	09/06/14 01:53	1
Lead	**0.10**		0.0075	0.0075	mg/L		09/04/14 15:15	09/06/14 01:53	1
Manganese	**0.68**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:53	1
Nickel	**0.16**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:53	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 15:15	09/06/14 01:53	1

Client Sample ID: VL3-3(0-1.5)-082514
Date Collected: 08/25/14 12:30
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 01:53	1
Zinc	**0.53**	**B**	0.10	0.020	mg/L		09/04/14 15:15	09/06/14 01:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Arsenic	**8.8**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Barium	**49**		0.54	0.057	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Beryllium	**0.63**		0.21	0.043	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Cadmium	**0.18**		0.11	0.014	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Calcium	**29000**		11	2.9	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Chromium	**18**		0.54	0.062	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Cobalt	**12**		0.27	0.054	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Copper	**24**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Iron	**21000**		11	4.4	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Lead	**17**		0.27	0.080	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Magnesium	**19000**		5.4	1.1	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Manganese	**400**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Nickel	**30**		0.54	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Potassium	**1900**		27	1.6	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Selenium	**0.34**	**J B**	0.54	0.19	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Sodium	**860**		54	7.2	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Thallium	**0.33**	**J**	0.54	0.23	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Vanadium	**23**		0.27	0.040	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1
Zinc	**67**	**B**	1.1	0.22	mg/Kg	☼	09/03/14 17:30	09/05/14 02:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**		17	6.5	ug/Kg	☼	09/04/14 15:00	09/05/14 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.59**		0.200	0.200	SU			09/03/14 11:58	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

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
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 - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

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 ENVIRONMENT

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

500-82998 COC

(optional)

Report To
Contact: Andris Siesers
Company: Weston Solutions
Address: 300 Plaza Circle, #202
Address: Mundelein, IL 60060
Phone: 224-864-7201
Fax:
E-Mail: Andris.Siesers@westonsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-82998

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: 2.8

Client: Weston Solutions
Client Project #:
Project Name: IDOT-Hanover Park-WO 056
Project Location/State: Hanover Park, IL
Lab Project #: 50010034
Sampler: Sena
Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	metals	Trivalent metals	pH	Pesticides	Herbicides	Comments
1		WN-3(0-2)-082514	8-25-14	11:30	2	S	7	X	X	X	X	X	X	X	
2		WN-3(0-2)-082514D		11:30			7								
3		VL3-1(0-1.5)-082514		12:00			7								
4		VL3-2(0-1.5)-082514		12:15			7								
5		VL3-3(0-1.5)-082514		12:30			7								
6		RE-1(0-1.5)-082514	8-25-14	12:45	2	S	7	X	X	X	X	X			
*		last item													

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Dana Sena	Weston	8-25-14	1400		TA	8/25/14	1400
	TA	8/26/14			TA	8/26/14	500 am
	TA	8/26/14	1235		TA	8/26/14	1235

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 (Lake Street) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
1509-6324 Fremont Street and 1431-1500 Bear Flag Drive

City: Hanover Park State: IL Zip Code: _____

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: 41.984797540 (Decimal Degrees) Longitude: -88.142896551 (-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 525: US Route 20 (Lake Street)

Latitude: 41.984797540 Longitude: -88.142896551

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 RE-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2551-23. 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82998-1

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

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

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

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/24/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2551-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, DuPage County, Illinois

Field Sample ID	RE-1(0-1.5)-082514	**Soil Reference Concentrations**
Sample Date	8/25/2014	
Location ID	RE-1	
Depth	0 - 1.5	
ISGS Site Number	2551-23	
Parameter		
Laboratory pH (s.u.)	8.12	<6.25, >9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)	**None Detected**	
Total Metals (mg/kg)		
Arsenic, Total	10 J	11.3/13.0
Barium, Total	70	1500
Beryllium, Total	0.82 J-	22
Cadmium, Total	0.18	5.2
Calcium, Total	2000 J	---
Chromium, Total	24 J	21
Cobalt, Total	17	20
Copper, Total	28	2900
Iron, Total	27000 J	15000/15900
Lead, Total	22 J	107
Magnesium, Total	4700 J+	325000
Manganese, Total	570 J-	630/636
Mercury, Total	0.033	0.89
Nickel, Total	40	100
Potassium, Total	2400 J	---
Silver, Total	ND	4.4
Sodium, Total	630 J	---
Thallium, Total	0.41 J	2.6
Vanadium, Total	28	550
Zinc, Total	78 J+	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.41 J	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	0.031	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.07	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Selenium, TCLP	ND	0.05
Zinc, TCLP	0.2	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.062	0.05
Barium, SPLP	0.52	2
Beryllium, SPLP	0.0065	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.15	0.1
Cobalt, SPLP	0.043	1
Copper, SPLP	0.18	0.65
Iron, SPLP	180 J+	5
Lead, SPLP	0.086	0.0075
Manganese, SPLP	1.2	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.2	0.1
Zinc, SPLP	0.44 B	5

Summary Table of ISGS Site No. 2551-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 (Lake Street) from Bear Flag Drive/Ontarioville Road to Hanover Park, 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: 500-82998-1
Client Project/Site: IDOT - Hanover Park - WO 056

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/10/2014 3:38:40 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

Client Sample ID: RE-1(0-1.5)-082514
Date Collected: 08/25/14 12:45
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-6
Matrix: Solid
Percent Solids: 80.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		08/29/14 08:00	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		08/29/14 08:00	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 08:00	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		08/29/14 08:00	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		08/29/14 08:00	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		08/29/14 08:00	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 08:00	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		08/29/14 08:00	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		08/29/14 08:00	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		08/29/14 08:00	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		08/29/14 08:00	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		08/29/14 08:00	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		08/29/14 08:00	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 08:00	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		08/29/14 08:00	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		08/29/14 08:00	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 08:00	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		08/29/14 08:00	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		08/29/14 08:00	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		08/29/14 08:00	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		08/29/14 08:00	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		08/29/14 08:00	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		08/29/14 08:00	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		08/29/14 08:00	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 08:00	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		08/29/14 08:00	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		08/29/14 08:00	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		08/29/14 08:00	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		08/29/14 08:00	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	☼		08/29/14 08:00	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 08:00	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		08/29/14 08:00	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		08/29/14 08:00	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 08:00	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		08/29/14 08:00	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		08/29/14 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/29/14 08:00*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/29/14 08:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/29/14 08:00*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 08:00*	*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	44	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

Client Sample ID: RE-1(0-1.5)-082514
Date Collected: 08/25/14 12:45
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-6
Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2,4-Dinitrophenol	<820	*	820	710	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2-Methylnaphthalene	<40		40	7.5	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2-Methylphenol	<200		200	65	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
4,6-Dinitro-2-methylphenol	<400	*	400	330	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Anthracene	<40		40	6.8	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Benzo[a]anthracene	<40		40	5.5	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Benzo[b]fluoranthene	<40		40	8.8	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Carbazole	<200		200	100	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Chrysene	<40		40	11	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Fluorene	<40		40	5.7	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Hexachloroethane	<200		200	62	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

Client Sample ID: RE-1(0-1.5)-082514
Date Collected: 08/25/14 12:45
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-6
Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	11	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Isophorone	<200		200	46	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Naphthalene	<40		40	6.2	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Phenanthrene	<40		40	5.7	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Phenol	<200		200	90	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1
Pyrene	<40		40	8.1	ug/Kg	☼	09/03/14 18:54	09/04/14 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*09/03/14 18:54*	*09/04/14 16:11*	*1*
2-Fluorobiphenyl	*38*		*25 - 119*	*09/03/14 18:54*	*09/04/14 16:11*	*1*
2-Fluorophenol	*29*		*25 - 110*	*09/03/14 18:54*	*09/04/14 16:11*	*1*
Nitrobenzene-d5	*30*		*25 - 115*	*09/03/14 18:54*	*09/04/14 16:11*	*1*
Phenol-d5	*29*	*X*	*31 - 110*	*09/03/14 18:54*	*09/04/14 16:11*	*1*
Terphenyl-d14	*69*		*36 - 134*	*09/03/14 18:54*	*09/04/14 16:11*	*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		09/05/14 08:10	09/06/14 03:19	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		09/05/14 08:10	09/06/14 03:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/14 08:10	09/06/14 03:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/14 08:10	09/06/14 03:19	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:19	1
Copper	**0.031**		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:19	1
Iron	<0.20		0.20	0.20	mg/L		09/05/14 08:10	09/06/14 03:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/14 08:10	09/06/14 03:19	1
Manganese	**0.070**		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:19	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:19	1
Selenium	<0.050		0.050	0.010	mg/L		09/05/14 08:10	09/06/14 03:19	1
Silver	<0.025		0.025	0.010	mg/L		09/05/14 08:10	09/06/14 03:19	1
Zinc	**0.20**		0.10	0.020	mg/L		09/05/14 08:10	09/06/14 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.062**		0.050	0.010	mg/L		09/04/14 15:15	09/06/14 02:06	1
Barium	**0.52**		0.50	0.050	mg/L		09/04/14 15:15	09/06/14 02:06	1
Beryllium	**0.0065**		0.0040	0.0040	mg/L		09/04/14 15:15	09/06/14 02:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 15:15	09/06/14 02:06	1
Chromium	**0.15**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 02:06	1
Cobalt	**0.043**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 02:06	1
Copper	**0.18**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 02:06	1
Iron	**180**		0.20	0.20	mg/L		09/04/14 15:15	09/06/14 02:06	1
Lead	**0.086**		0.0075	0.0075	mg/L		09/04/14 15:15	09/06/14 02:06	1
Manganese	**1.2**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 02:06	1
Nickel	**0.20**		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 02:06	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 15:15	09/06/14 02:06	1

Client Sample ID: RE-1(0-1.5)-082514
Date Collected: 08/25/14 12:45
Date Received: 08/26/14 12:35

Lab Sample ID: 500-82998-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/04/14 15:15	09/06/14 02:06	1
Zinc	**0.44**	**B**	0.10	0.020	mg/L		09/04/14 15:15	09/06/14 02:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Arsenic	**10**		0.58	0.11	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Barium	**70**		0.58	0.062	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Beryllium	**0.82**		0.23	0.046	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Cadmium	**0.18**		0.12	0.015	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Calcium	**2000**		12	3.1	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Chromium	**24**		0.58	0.067	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Cobalt	**17**		0.29	0.058	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Copper	**28**		0.58	0.12	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Iron	**27000**		12	4.7	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Lead	**22**		0.29	0.086	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Magnesium	**4700**		5.8	1.2	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Manganese	**570**		0.58	0.12	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Nickel	**40**		0.58	0.12	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Potassium	**2400**		29	1.7	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Selenium	**0.72**	**B**	0.58	0.20	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Sodium	**630**		58	7.7	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Thallium	**0.41**	**J**	0.58	0.24	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Vanadium	**28**		0.29	0.043	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1
Zinc	**78**	**B**	1.2	0.23	mg/Kg	☼	09/03/14 17:30	09/05/14 02:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/08/14 12:00	09/09/14 10:22	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**33**		19	7.6	ug/Kg	☼	09/04/14 15:00	09/05/14 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.12**		0.200	0.200	SU			09/03/14 12:07	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

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
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 - Hanover Park - WO 056

TestAmerica Job ID: 500-82998-1

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 ENVIRONMENT

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

500-82998 COC

(optional)

Report To
Contact: Andris Siesers
Company: Weston Solutions
Address: 300 Plaza Circle, #202
Address: Mundelein, IL 60060
Phone: 224-864-7201
Fax:
E-Mail: Andris.Siesers@westonsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-82998

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: 2.8

Client: Weston Solutions
Client Project #:
Project Name: IDOT-Hanover Park-WO 056
Project Location/State: Hanover Park, IL
Lab Project #: 50010034
Sampler: Sena
Lab PM: Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	metals	Trivalent metals	pH	Pesticides	Herbicides	Comments
1		WN-3(0-2)-082514	8-25-14	11:30	2	S	7	X	X	X	X	X	X	X	
2		WN-3(0-2)-082514D		11:30			7								
3		VL3-1(0-1.5)-082514		12:00			7								
4		VL3-2(0-1.5)-082514		12:15			7								
5		VL3-3(0-1.5)-082514		12:30			7								
6		RE-1(0-1.5)-082514	8-25-14	12:45	2	S	7	X	X	X	X	X			
*		last item													

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Dana Sena	Weston	8-25-14	1400		TA	8/25/14	1400
	TA	8/26/14			TA	8/26/14	500 am
	TA	8/26/14	1235		TA	8/26/14	1235

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: