



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

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

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

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

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

I. Source Location Information

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

Project Name: FAI 55: I-55 from Prairie Ave to LSD NB Ramp Office Phone Number, if available: _____

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

2301 South Lake Shore Drive (ISGS Site No. 2045-4)

City: Chicago State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.843709107 Longitude: -87.610990221
(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: FAI 55: I-55 from Prairie Ave to LSD NB RampLatitude: 41.843709107 Longitude: -87.610990221Uncontaminated 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 MP-14 WAS SAMPLED ADJACENT TO ISGS SITE No. 2045-4. SEE FIGURE 3-5 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-95004-1.
ALSO SEE FIGURE 4-4 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.Street Address: 300 Circle Plaza; Suite 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:



06/02/2015

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:



P.G. Seal:

Summary Table of ISGS Site No. 2045-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: I-55 from Prairie Avenue to ICG Railroad (LSD NB Ramp)
Chicago, Cook County, Illinois

Field Sample ID	MP-14(0-7)-042415	Soil Reference Concentrations^A
Sample Date	4/24/2015	
Location ID	MP-14	
Depth	0 - 7	
Lab Sample ID	500-95150-20	
ISGS Site No.	2045-4	
Parameter		
Laboratory pH (s.u.)	8.39	<6.25,>9.00
VOCs (ug/kg)		
SVOCs (ug/kg)		
Benzo(a)anthracene	110 J	900 / 1100 / 1800
Benzo(a)pyrene	120 J	90 / 1300 / 2100
Benzo(b)fluoranthene	140 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	130 J	---
Chrysene	120 J	88000
Fluoranthene	200 J	3100000
Indeno(1,2,3-cd)pyrene	98 J	900 / 900 / 1600
Phenanthrene	120 J	---
Pyrene	170 J	2300000
Total Metals (mg/kg)		
Arsenic, Total	3.9	11.3 / 13
Barium, Total	26 J	1500
Beryllium, Total	0.37	22
Cadmium, Total	0.19 J	5.2
Calcium, Total	75000 J	---
Chromium, Total	9.6 J+	21
Cobalt, Total	5.7	20
Copper, Total	15 J-	2900
Iron, Total	9000 J+	15000 / 15900
Lead, Total	24 J	107
Magnesium, Total	31000 J	325000
Manganese, Total	290 J	630 / 636
Mercury, Total	0.059 J+	0.89
Nickel, Total	13	100
Potassium, Total	1000 J	---
Selenium, Total	0.4 J	1.3
Silver, Total	0.075 J	4.4
Sodium, Total	1200	---
Vanadium, Total	12	550
Zinc, Total	61 J	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.37 J	2
Cadmium, TCLP	0.0025 J	0.005
Cobalt, TCLP	0.019 J	1
Copper, TCLP	0.017 J	0.65
Manganese, TCLP	1.6	0.15
Nickel, TCLP	0.037	0.1
Zinc, TCLP	0.1	5
SPLP Metals (mg/l)		
Barium, SPLP	0.15 J	2
Chromium, SPLP	0.04	0.1
Cobalt, SPLP	0.014 J	1
Copper, SPLP	0.045	0.65
Iron, SPLP	25	5
Lead, SPLP	0.069	0.0075
Manganese, SPLP	0.28	0.15
Mercury, SPLP	0.0002	0.002
Nickel, SPLP	0.036	0.1
Zinc, SPLP	0.21	5

Notes:

--- - not applicable or value not available.

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

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

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: 500-95150-1
Client Project/Site: IDOT - Chicago - WO 023

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

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
5/5/2015 2:18:06 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95150-1

Client Sample ID: MP-14(0-7)-042415

Lab Sample ID: 500-95150-20

Date Collected: 04/24/15 11:25

Matrix: Solid

Date Received: 04/25/15 07:45

Percent Solids: 87.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	4.4	ug/Kg	*		04/29/15 17:05	1
Benzene	<5.7		5.7	1.3	ug/Kg	*		04/29/15 17:05	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	*		04/29/15 17:05	1
Bromoform	<5.7		5.7	1.2	ug/Kg	*		04/29/15 17:05	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	*		04/29/15 17:05	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	*		04/29/15 17:05	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	*		04/29/15 17:05	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	*		04/29/15 17:05	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	*		04/29/15 17:05	1
Chloroform	<5.7		5.7	1.1	ug/Kg	*		04/29/15 17:05	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	*		04/29/15 17:05	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	*		04/29/15 17:05	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	*		04/29/15 17:05	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	*		04/29/15 17:05	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	*		04/29/15 17:05	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	*		04/29/15 17:05	1
1,1,1-Dichloroethane	<5.7		5.7	2.1	ug/Kg	*		04/29/15 17:05	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	*		04/29/15 17:05	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	*		04/29/15 17:05	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	*		04/29/15 17:05	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	*		04/29/15 17:05	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	*		04/29/15 17:05	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	*		04/29/15 17:05	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	*		04/29/15 17:05	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	*		04/29/15 17:05	1
Styrene	<5.7		5.7	1.3	ug/Kg	*		04/29/15 17:05	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	*		04/29/15 17:05	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	*		04/29/15 17:05	1
Toluene	<5.7		5.7	2.0	ug/Kg	*		04/29/15 17:05	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	*		04/29/15 17:05	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	*		04/29/15 17:05	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	*		04/29/15 17:05	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	*		04/29/15 17:05	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	*		04/29/15 17:05	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	*		04/29/15 17:05	1
Xylenes, Total	<11		11	2.1	ug/Kg	*		04/29/15 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		04/29/15 17:05	1
Dibromofluoromethane	110		75 - 120		04/29/15 17:05	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		04/29/15 17:05	1
Toluene-d8 (Surr)	110		75 - 122		04/29/15 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1800		1800	390	ug/Kg	*	04/28/15 07:19	05/02/15 02:18	10
1,2-Dichlorobenzene	<1800		1800	430	ug/Kg	*	04/28/15 07:19	05/02/15 02:18	10
1,3-Dichlorobenzene	<1800		1800	410	ug/Kg	*	04/28/15 07:19	05/02/15 02:18	10
1,4-Dichlorobenzene	<1800		1800	460	ug/Kg	*	04/28/15 07:19	05/02/15 02:18	10
2,2'-oxybis[1-chloropropane]	<1800		1800	420	ug/Kg	*	04/28/15 07:19	05/02/15 02:18	10

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95150-1

Client Sample ID: MP-14(0-7)-042415

Lab Sample ID: 500-95150-20

Date Collected: 04/24/15 11:25

Matrix: Solid

Date Received: 04/25/15 07:45

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	<3600		3600	820	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2,4,6-Trichlorophenol	<3600		3600	1200	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2,4-Dichlorophenol	<3600		3600	860	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2,4-Dimethylphenol	<3600		3600	1400	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2,4-Dinitrophenol	<7300		7300	6400	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2,4-Dinitrotoluene	<1800		1800	570	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2,6-Dinitrotoluene	<1800		1800	710	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2-Chloronaphthalene	<1800		1800	400	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2-Chlorophenol	<1800		1800	620	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2-Methylnaphthalene	<360		360	66	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2-Methylphenol	<1800		1800	580	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2-Nitroaniline	<1800		1800	490	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
2-Nitrophenol	<3600		3600	850	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
3 & 4 Methylphenol	<1800		1800	600	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
3,3'-Dichlorobenzidine	<1800		1800	500	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
3-Nitroaniline	<3600		3600	1100	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
4,6-Dinitro-2-methylphenol	<3600		3600	2900	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
4-Bromophenyl phenyl ether	<1800		1800	480	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
4-Chloro-3-methylphenol	<3600		3600	1200	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
4-Chloroaniline	<7300		7300	1700	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
4-Chlorophenyl phenyl ether	<1800		1800	420	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
4-Nitroaniline	<3600		3600	1500	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
4-Nitrophenol	<7300		7300	3400	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Acenaphthene	<360		360	65	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Acenaphthylene	<360		360	48	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Anthracene	<360		360	60	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Benzo[a]anthracene	110 J		360	49	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Benzo[a]pyrene	120 J		360	70	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Benzo[b]fluoranthene	140 J		360	78	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Benzo[g,h,i]perylene	130 J		360	120	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Benzo[k]fluoranthene	<360		360	110	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Bis(2-chloroethoxy)methane	<1800		1800	370	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Bis(2-chloroethyl)ether	<1800		1800	540	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Bis(2-ethylhexyl) phthalate	<1800		1800	660	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Butyl benzyl phthalate	<1800		1800	690	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Carbazole	<1800		1800	930	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Chrysene	120 J		360	98	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Dibenz(a,h)anthracene	<360		360	70	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Dibenzofuran	<1800		1800	420	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Diethyl phthalate	<1800		1800	610	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Dimethyl phthalate	<1800		1800	470	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Di-n-butyl phthalate	<1800		1800	550	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Di-n-octyl phthalate	<1800		1800	590	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Fluoranthene	200 J		360	67	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Fluorene	<360		360	51	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Hexachlorobenzene	<730		730	84	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Hexachlorobutadiene	<1800		1800	570	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Hexachlorocyclopentadiene	<7300		7300	2100	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Hexachloroethane	<1800		1800	550	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95150-1

Client Sample ID: MP-14(0-7)-042415

Lab Sample ID: 500-95150-20

Date Collected: 04/24/15 11:25

Matrix: Solid

Date Received: 04/25/15 07:45

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	98	J	360	93	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Isophorone	<1800		1800	400	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Naphthalene	<360		360	55	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Nitrobenzene	<360		360	90	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
N-Nitrosodi-n-propylamine	<1800		1800	440	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
N-Nitrosodiphenylamine	<1800		1800	430	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Pentachlorophenol	<7300		7300	5800	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Phenanthrene	120	J	360	50	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Phenol	<1800		1800	800	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Pyrene	170	J	360	72	ug/Kg	☼	04/28/15 07:19	05/02/15 02:18	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	106		35 - 137				04/28/15 07:19	05/02/15 02:18	10
2-Fluorobiphenyl	67		25 - 119				04/28/15 07:19	05/02/15 02:18	10
2-Fluorophenol	29		25 - 110				04/28/15 07:19	05/02/15 02:18	10
Nitrobenzene-d5	73		25 - 115				04/28/15 07:19	05/02/15 02:18	10
Phenol-d5	56		31 - 110				04/28/15 07:19	05/02/15 02:18	10
Terphenyl-d14	90		36 - 134				04/28/15 07:19	05/02/15 02:18	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		04/29/15 09:00	04/29/15 22:04	1
Barium	0.37	J	0.50	0.050	mg/L		04/29/15 09:00	04/29/15 22:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/29/15 09:00	04/29/15 22:04	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		04/29/15 09:00	04/29/15 22:04	1
Chromium	<0.025		0.025	0.010	mg/L		04/29/15 09:00	04/29/15 22:04	1
Cobalt	0.019	J	0.025	0.010	mg/L		04/29/15 09:00	04/29/15 22:04	1
Copper	0.017	J	0.025	0.010	mg/L		04/29/15 09:00	04/29/15 22:04	1
Iron	<0.20		0.20	0.20	mg/L		04/29/15 09:00	04/29/15 22:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/29/15 09:00	04/29/15 22:04	1
Manganese	1.6		0.025	0.010	mg/L		04/29/15 09:00	04/29/15 22:04	1
Nickel	0.037		0.025	0.010	mg/L		04/29/15 09:00	04/29/15 22:04	1
Selenium	<0.050		0.050	0.020	mg/L		04/29/15 09:00	04/29/15 22:04	1
Silver	<0.025		0.025	0.010	mg/L		04/29/15 09:00	04/29/15 22:04	1
Zinc	0.10		0.10	0.020	mg/L		04/29/15 09:00	04/30/15 19:50	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		04/29/15 10:10	04/29/15 21:33	1
Barium	0.15	J	0.50	0.050	mg/L		04/29/15 10:10	04/30/15 15:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/29/15 10:10	04/29/15 21:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/29/15 10:10	04/29/15 21:33	1
Chromium	0.040		0.025	0.010	mg/L		04/29/15 10:10	04/29/15 21:33	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/29/15 10:10	04/29/15 21:33	1
Copper	0.045		0.025	0.010	mg/L		04/29/15 10:10	04/29/15 21:33	1
Iron	25		0.20	0.20	mg/L		04/29/15 10:10	04/29/15 21:33	1
Lead	0.069		0.0075	0.0075	mg/L		04/29/15 10:10	04/29/15 21:33	1
Manganese	0.28		0.025	0.010	mg/L		04/29/15 10:10	04/29/15 21:33	1
Nickel	0.036		0.025	0.010	mg/L		04/29/15 10:10	04/29/15 21:33	1
Selenium	<0.050		0.050	0.020	mg/L		04/29/15 10:10	04/29/15 21:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95150-1

Client Sample ID: MP-14(0-7)-042415

Lab Sample ID: 500-95150-20

Date Collected: 04/24/15 11:25

Matrix: Solid

Date Received: 04/25/15 07:45

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		04/29/15 10:10	04/29/15 21:33	1
Zinc	0.21		0.10	0.020	mg/L		04/29/15 10:10	04/29/15 21:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Arsenic	3.9		0.54	0.25	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Barium	26		0.54	0.10	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Beryllium	0.37		0.22	0.047	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Cadmium	0.19		0.11	0.031	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Calcium	75000	B	110	35	mg/Kg	☼	04/27/15 17:25	04/30/15 04:54	10
Chromium	9.6		0.54	0.094	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Cobalt	5.7		0.27	0.061	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Copper	15		0.54	0.12	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Iron	9000		11	4.2	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Lead	24		0.27	0.14	mg/Kg	☼	04/27/15 17:25	04/30/15 13:51	1
Magnesium	31000		5.4	2.2	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Manganese	290		0.54	0.11	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Nickel	13		0.54	0.15	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Potassium	1000		27	4.4	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Selenium	0.40	J	0.54	0.27	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Silver	0.075	J	0.27	0.064	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Sodium	1200		54	7.2	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Vanadium	12		0.27	0.079	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1
Zinc	61		1.1	0.34	mg/Kg	☼	04/27/15 17:25	04/30/15 04:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/29/15 11:00	04/30/15 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.20	0.20	ug/L		04/29/15 11:00	04/30/15 10:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	59		18	6.4	ug/Kg	☼	04/28/15 14:00	04/29/15 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.39		0.200	0.200	SU			04/30/15 13:59	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95150-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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)

TestAmerica Chicago

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95150-1

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	04-30-16

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: 708.534.5201



500-95150 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mountain, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail: Babu.Babusukumar@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-95150
Chain of Custody Number: _____
Page 1 of 2
Temperature °C of Cooler: 3.2, 2.9

Client		Client Project #		Preservative		Parameter					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	
Project Name		Lab Project #		Matrix								
Project Location/State		Lab PM										
Sampler												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TOX/SPEC METALS	pH	Comments
1		MP-7(0-5)-042415	4-24-15	0755	2	S	X	X	X	X	X	
2		MP-7(5-12)-042415		0800								
3		MP-7(5-12)-042415D		0800								
4		MP-7(12-16)-042415		0815								
5		MP-8(0-6)-042415		0830								
6		MP-8(6-12)-042415		0840								
7		MP-8(12-17)-042415		0845								
8		MP-9(0-5)-042415		0905								
9		MP-9(5-10)-042415		0910								
10		MP-9(10-13)-042415	4-24-15	0915	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 <u>g. [Signature]</u>	Company <u>Weston</u>	Date <u>4-24-15</u>	Time <u>1545</u>	Received By <u>J. Neal</u>	Company <u>TA</u>	Date <u>4/24/15</u>	Time <u>1545</u>
Relinquished By <u>J. Neal</u>	Company <u>TA</u>	Date <u>4/24/15</u>	Time <u>1520</u>	Received By <u>[Signature]</u>	Company <u>TA-CRT</u>	Date <u>4/25/15</u>	Time <u>0745</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-95/50
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		7		7		7		7		7		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
Project Name		Lab Project #		Parameter		VOCS		SVOCS		TOTAL METALS		TCUR/SRP METALS		PH		
Project Location/State		Lab PM		# of Containers		Matrix										
Lab ID	M/S/MSD	Sample ID	Date	Time												
Weston Solutions		02056.014.023.0030														
IDOT 023- NB I-55 Rump to LSD																
Chicago, IL		D. Wright														
M. Doheny-Skubic																
11		MP-10(0-5)-042415	4-21-15	0945	2	S	X	X	X	X	X	X	X	X		
12		MP-10(5-9)-042415		0955												
13		MP-10(5-9)-042415D		0955												
14		MP-11(0-5)-042415		1025												
15		MP-11(5-9)-042415		1030												
16		MP-12(0-5)-042415		1045												
17		MP-12(5-9)-042415		1050												
18		MP-13(0-5)-042415		1100												
19		MP-13(5-9)-042415	↓	1105	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		
20		MP-14(0-7)-042415	4-24-15	1125	2	S	X	X	X	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 <u>M. Doheny-Skubic</u>	Company <u>Weston</u>	Date <u>4-24-15</u>	Time <u>1545</u>	Received By <u>P. Neal</u>	Company <u>TA</u>	Date <u>4/24/15</u>	Time <u>1545</u>	Lab Courier <u>TA</u>
Relinquished By <u>P. Neal</u>	Company <u>TA</u>	Date <u>4/24/15</u>	Time <u>1720</u>	Received By <u>Shawn Scott</u>	Company <u>TA-CAT</u>	Date <u>4/25/15</u>	Time <u>0745</u>	Shipped _____
Relinquished By _____	Company _____	Date _____	Time _____	Received By _____	Company _____	Date _____	Time _____	Hand Delivered _____

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

Client Comments

Lab Comments:



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

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

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

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

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

I. Source Location Information

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

Project Name: FAI 55: I-55 from Prairie Ave to LSD NB Ramp Office Phone Number, if available: _____

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

I-55 ROW between Prairie Avenue and Lake Shore Drive (ISGS Site No. 2045-5)

City: Chicago State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.847815201 Longitude: -87.618925894
(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: FAI 55: I-55 from Prairie Ave to LSD NB Ramp

Latitude: 41.847815201 Longitude: -87.618925894

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 ROW1-2, ROW1-3, AND ROW1-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2045-5. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-95004-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

06/02/2015

Date:



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

Summary Table of ISGS Site No. 2045-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: I-55 from Prairie Avenue to ICG Railroad (LSD NB Ramp)
Chicago, Cook County, Illinois

Field Sample ID	ROW1-2(0-6)-042215	ROW1-3(0-6)-042215	ROW1-3(0-6)-042215D	ROW1-5(0-5)-042215	ROW1-5(5-12)-042215	Soil Reference Concentrations ^A
Sample Date	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015	
Location ID	ROW1-2	ROW1-3	ROW1-3	ROW1-5	ROW1-5	
Depth	0 - 6	0 - 6	0 - 6	0 - 5	5 - 12	
ISGS Site No.	2045-5	2045-5	2045-5	2045-5	2045-5	
Parameter						
Laboratory pH (s.u.)	8.73	8.7	8.69	8.8	8.97	<6.25,>9.00
VOCs (ug/kg)						
Tetrachloroethene	3.9 J	1.4 J	ND	ND	ND	60
SVOCs (ug/kg)						
2-Methylnaphthalene	8.6 J	ND	ND	12 J	ND	---
Acenaphthene	20 J	7.6 J	9.5 J	24 J	16 J	570000
Acenaphthylene	17 J	ND	ND	ND	12 J	---
Anthracene	80	33 J	56	69	50	1.20E+07
Benzo(a)anthracene	380	250	370	360	280	900 / 1100 / 1800
Benzo(a)pyrene	310	220	360	340	240	90 / 1300 / 2100
Benzo(b)fluoranthene	590	330	580	440	370	900 / 1500 / 2100
Benzo(g,h,i)perylene	160	100	170	230	210	---
Benzo(k)fluoranthene	200	140	200	240	120	9000
Chrysene	350	210	320	330	280	88000
Dibenzo(a,h)anthracene	ND	ND	ND	77	ND	90 / 200 / 420
Fluoranthene	780	350	530	570	440	3100000
Fluorene	33 J	ND	10 J	21 J	21 J	560000
Indeno(1,2,3-cd)pyrene	150	85 J	160 J	190	170	900 / 900 / 1600
Naphthalene, SVOC	11 J	8.1 J	15 J	16 J	ND	1800
Phenanthrene	360	76 J	160 J	360	240	---
Pyrene	1100	510 J	890 J	1400	1300	2300000
Total Metals (mg/kg)						
Arsenic, Total	8.6 J	3 J	3.7 J	3.3 J	2.3 J	11.3 / 13
Barium, Total	43 J	11 J	11 J	30 J	210 J	1500
Beryllium, Total	0.3 J	0.15 J	0.15 J	0.29 J	0.29 J	22
Cadmium, Total	0.24 J-	0.062 J	0.057 J	0.25 J-	0.23 J-	5.2
Calcium, Total	28000 J-	44000 J-	43000 J-	57000 J-	53000 J-	---
Chromium, Total	7.7 J	3.9 J	4 J	6.7 J	11 J	21
Cobalt, Total	4.5 J-	2.9 J-	3.1 J-	3.3 J-	3.8 J-	20
Copper, Total	14 J	3.9 J	3.9 J	12 J	14 J	2900
Iron, Total	9400 J	5500 J	5800 J	6500 J	8700 J	15000 / 15900
Lead, Total	45 J	8.3 J	8.6 J	97 J	38 J	107
Magnesium, Total	17000 J-	20000 J-	20000 J-	25000 J-	23000 J-	325000
Manganese, Total	260 J+	190 J+	200 J+	250 J+	240 J+	630 / 636
Mercury, Total	0.085	0.034	0.037	0.11	0.062	0.89
Nickel, Total	9.7 J-	5 J-	5.1 J-	7.1 J-	14 J-	100
Potassium, Total	640	350	360	600	510	---
Sodium, Total	450 J-	330 J-	360 J-	410 J-	730 J-	---
Vanadium, Total	11 J	7.7 J	8 J	9.5 J	32 J	550
Zinc, Total	52 J-	19 J-	24 J-	68 J-	100 J-	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.49 J	0.2 J	0.22 J	0.34 J	0.29 J	2
Cadmium, TCLP	0.0026 J	ND	ND	0.0028 J	0.0022 J	0.005
Cobalt, TCLP	ND	ND	ND	ND	0.012 J	1
Copper, TCLP	0.013 J	0.013 J	0.011 J	0.016 J	0.019 J	0.65
Iron, TCLP	ND	ND	0.34 J	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0091	0.027	0.0075
Manganese, TCLP	0.75	0.95	0.86	0.48	1.1	0.15
Nickel, TCLP	ND	ND	ND	ND	0.01 J	0.1
SPLP Metals (mg/l)						
Arsenic, SPLP	0.023 J	ND	ND	0.01 J	ND	0.05
Barium, SPLP	0.25 J	0.075 J	0.081 J	0.12 J	0.066 J	2
Chromium, SPLP	0.047	0.011 J	0.015 J	0.026	0.01 J	0.1
Copper, SPLP	0.063	0.028	0.024 J	0.053	0.026	0.65
Iron, SPLP	39	5.9 J	10 J	17	4.1	5
Lead, SPLP	0.1	0.011 J	0.02 J	0.2	0.044	0.0075
Manganese, SPLP	0.27	0.05 J	0.088 J	0.21	0.055	0.15
Nickel, SPLP	0.036	ND	ND	0.013 J	ND	0.1
Zinc, SPLP	0.35	0.093 J	0.19 J	0.32	0.21 J	5

Summary Table of ISGS Site No. 2045-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: I-55 from Prairie Avenue to ICG Railroad (LSD NB Ramp)
Chicago, Cook 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 low.

J+ - Estimated concentration, biased high.

 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: 500-95004-1

Client Project/Site: IDOT - Chicago - WO 023

For:

Weston Solutions, Inc.

300 Plaza Circle, Suite 202

Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:

5/4/2015 2:08:29 PM

Jodie Bracken, Project Management Assistant II

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Designee for

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LINKS

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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-2(0-6)-042215

Lab Sample ID: 500-95004-12

Date Collected: 04/22/15 11:50

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 88.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	4.4	ug/Kg	*		04/27/15 18:21	1
Benzene	<5.6		5.6	1.3	ug/Kg	*		04/27/15 18:21	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	*		04/27/15 18:21	1
Bromoform	<5.6		5.6	1.2	ug/Kg	*		04/27/15 18:21	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	*		04/27/15 18:21	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	*		04/27/15 18:21	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	*		04/27/15 18:21	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	*		04/27/15 18:21	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	*		04/27/15 18:21	1
Chloroform	<5.6		5.6	1.1	ug/Kg	*		04/27/15 18:21	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	*		04/27/15 18:21	1
cis-1,2-Dichloroethene	<5.6		5.6	1.2	ug/Kg	*		04/27/15 18:21	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	*		04/27/15 18:21	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	*		04/27/15 18:21	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	*		04/27/15 18:21	1
1,2-Dichloroethane	<5.6		5.6	0.84	ug/Kg	*		04/27/15 18:21	1
1,1,1-Dichloroethene	<5.6		5.6	2.1	ug/Kg	*		04/27/15 18:21	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	*		04/27/15 18:21	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	*		04/27/15 18:21	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	*		04/27/15 18:21	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	*		04/27/15 18:21	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	*		04/27/15 18:21	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	*		04/27/15 18:21	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	*		04/27/15 18:21	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	*		04/27/15 18:21	1
Styrene	<5.6		5.6	1.3	ug/Kg	*		04/27/15 18:21	1
1,1,1,2-Tetrachloroethane	<5.6		5.6	0.90	ug/Kg	*		04/27/15 18:21	1
Tetrachloroethene	3.9	J	5.6	1.2	ug/Kg	*		04/27/15 18:21	1
Toluene	<5.6		5.6	2.0	ug/Kg	*		04/27/15 18:21	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	*		04/27/15 18:21	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	*		04/27/15 18:21	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	*		04/27/15 18:21	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	*		04/27/15 18:21	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	*		04/27/15 18:21	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	*		04/27/15 18:21	1
Xylenes, Total	<11		11	2.1	ug/Kg	*		04/27/15 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122		04/27/15 18:21	1
Dibromofluoromethane	102		75 - 120		04/27/15 18:21	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134		04/27/15 18:21	1
Toluene-d8 (Surr)	97		75 - 122		04/27/15 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	04/24/15 17:09	04/29/15 13:09	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	*	04/24/15 17:09	04/29/15 13:09	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	*	04/24/15 17:09	04/29/15 13:09	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	*	04/24/15 17:09	04/29/15 13:09	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	*	04/24/15 17:09	04/29/15 13:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-2(0-6)-042215

Lab Sample ID: 500-95004-12

Date Collected: 04/22/15 11:50

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2-Methylnaphthalene	8.6	J	36	6.7	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Acenaphthene	20	J	36	6.6	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Acenaphthylene	17	J	36	4.8	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Anthracene	80		36	6.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Benzo[a]anthracene	380		36	4.9	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Benzo[a]pyrene	310		36	7.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Benzo[b]fluoranthene	590		36	7.9	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Benzo[g,h,i]perylene	160		36	12	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Benzo[k]fluoranthene	200		36	11	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Carbazole	<180		180	94	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Chrysene	350		36	10	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Fluoranthene	780		36	6.8	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Fluorene	33	J	36	5.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Hexachloroethane	<180		180	56	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-2(0-6)-042215

Lab Sample ID: 500-95004-12

Date Collected: 04/22/15 11:50

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	150		36	9.5	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Isophorone	<180		180	41	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Naphthalene	11	J	36	5.6	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Phenanthrene	360		36	5.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Phenol	<180		180	81	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Pyrene	1100		36	7.3	ug/Kg	☼	04/24/15 17:09	04/29/15 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				04/24/15 17:09	04/29/15 13:09	1
2-Fluorobiphenyl	57		25 - 119				04/24/15 17:09	04/29/15 13:09	1
2-Fluorophenol	51		25 - 110				04/24/15 17:09	04/29/15 13:09	1
Nitrobenzene-d5	58		25 - 115				04/24/15 17:09	04/29/15 13:09	1
Phenol-d5	50		31 - 110				04/24/15 17:09	04/29/15 13:09	1
Terphenyl-d14	131		36 - 134				04/24/15 17:09	04/29/15 13:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/26/15 14:30	04/27/15 21:57	1
Barium	0.49	J	0.50	0.050	mg/L		04/26/15 14:30	04/27/15 21:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/27/15 21:57	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		04/26/15 14:30	04/27/15 21:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 21:57	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 21:57	1
Copper	0.013	J	0.025	0.010	mg/L		04/26/15 14:30	04/27/15 21:57	1
Iron	<0.20	[^]	0.20	0.20	mg/L		04/26/15 14:30	04/27/15 21:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/26/15 14:30	04/27/15 21:57	1
Manganese	0.75		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 21:57	1
Nickel	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 21:57	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/27/15 21:57	1
Silver	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 21:57	1
Zinc	0.15	J B	0.30	0.020	mg/L		04/26/15 14:30	04/27/15 21:57	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		04/26/15 14:30	04/28/15 00:02	1
Barium	0.25	J	0.50	0.050	mg/L		04/26/15 14:30	04/28/15 00:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/28/15 00:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/26/15 14:30	04/28/15 00:02	1
Chromium	0.047		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:02	1
Copper	0.063		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:02	1
Iron	39		0.20	0.20	mg/L		04/26/15 14:30	04/28/15 00:02	1
Lead	0.10		0.0075	0.0075	mg/L		04/26/15 14:30	04/28/15 00:02	1
Manganese	0.27		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:02	1
Nickel	0.036		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:02	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/28/15 00:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-2(0-6)-042215

Lab Sample ID: 500-95004-12

Date Collected: 04/22/15 11:50

Matrix: Solid

Date Received: 04/22/15 16:30

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		04/26/15 14:30	04/28/15 00:02	1
Zinc	0.35		0.30	0.020	mg/L		04/26/15 14:30	04/28/15 00:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Arsenic	8.6		0.54	0.25	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Barium	43		0.54	0.099	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Beryllium	0.30		0.22	0.047	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Cadmium	0.24		0.11	0.031	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Calcium	28000		11	3.5	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Chromium	7.7		0.54	0.093	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Cobalt	4.5		0.27	0.061	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Copper	14		0.54	0.12	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Iron	9400		11	4.2	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Lead	45		0.27	0.13	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Magnesium	17000		5.4	2.2	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Manganese	260		0.54	0.11	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Nickel	9.7		0.54	0.15	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Potassium	640		27	4.4	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Sodium	450		54	7.1	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Vanadium	11		0.27	0.079	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1
Zinc	52 B		1.1	0.34	mg/Kg	☼	04/23/15 16:03	04/28/15 14:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/27/15 11:30	04/28/15 09:32	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		04/27/15 11:30	04/28/15 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	85		19	6.6	ug/Kg	☼	04/23/15 14:00	04/24/15 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.73		0.200	0.200	SU			04/24/15 12:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-3(0-6)-042215

Lab Sample ID: 500-95004-13

Date Collected: 04/22/15 12:05

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 90.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	4.3	ug/Kg	☼		04/27/15 18:46	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		04/27/15 18:46	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		04/27/15 18:46	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		04/27/15 18:46	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		04/27/15 18:46	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		04/27/15 18:46	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		04/27/15 18:46	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		04/27/15 18:46	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		04/27/15 18:46	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		04/27/15 18:46	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		04/27/15 18:46	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		04/27/15 18:46	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		04/27/15 18:46	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		04/27/15 18:46	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		04/27/15 18:46	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		04/27/15 18:46	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		04/27/15 18:46	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		04/27/15 18:46	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		04/27/15 18:46	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		04/27/15 18:46	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		04/27/15 18:46	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		04/27/15 18:46	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		04/27/15 18:46	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		04/27/15 18:46	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		04/27/15 18:46	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		04/27/15 18:46	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		04/27/15 18:46	1
Tetrachloroethene	1.4	J	5.5	1.1	ug/Kg	☼		04/27/15 18:46	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		04/27/15 18:46	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		04/27/15 18:46	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		04/27/15 18:46	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		04/27/15 18:46	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		04/27/15 18:46	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		04/27/15 18:46	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		04/27/15 18:46	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		04/27/15 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122		04/27/15 18:46	1
Dibromofluoromethane	102		75 - 120		04/27/15 18:46	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134		04/27/15 18:46	1
Toluene-d8 (Surr)	98		75 - 122		04/27/15 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-3(0-6)-042215

Lab Sample ID: 500-95004-13

Date Collected: 04/22/15 12:05

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2-Methylphenol	<180		180	58	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Acenaphthene	7.6	J	36	6.5	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Anthracene	33	J	36	6.0	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Benzo[a]anthracene	250		36	4.8	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Benzo[a]pyrene	220		36	7.0	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Benzo[b]fluoranthene	330		36	7.8	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Benzo[g,h,i]perylene	100		36	12	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Benzo[k]fluoranthene	140		36	11	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Carbazole	<180		180	93	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Chrysene	210		36	9.8	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Dibenzofuran	<180		180	42	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Fluoranthene	350		36	6.7	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Fluorene	<36		36	5.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Hexachlorobenzene	<73		73	8.3	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-3(0-6)-042215

Lab Sample ID: 500-95004-13

Date Collected: 04/22/15 12:05

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	85		36	9.3	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Isophorone	<180		180	40	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Naphthalene	8.1	J	36	5.5	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Phenanthrene	76		36	5.0	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Phenol	<180		180	80	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Pyrene	510		36	7.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		35 - 137				04/24/15 17:09	04/29/15 13:30	1
2-Fluorobiphenyl	52		25 - 119				04/24/15 17:09	04/29/15 13:30	1
2-Fluorophenol	47		25 - 110				04/24/15 17:09	04/29/15 13:30	1
Nitrobenzene-d5	53		25 - 115				04/24/15 17:09	04/29/15 13:30	1
Phenol-d5	44		31 - 110				04/24/15 17:09	04/29/15 13:30	1
Terphenyl-d14	115		36 - 134				04/24/15 17:09	04/29/15 13:30	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		04/26/15 14:30	04/27/15 22:02	1
Barium	0.20	J	0.50	0.050	mg/L		04/26/15 14:30	04/27/15 22:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/27/15 22:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/26/15 14:30	04/27/15 22:02	1
Chromium	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:02	1
Copper	0.013	J	0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:02	1
Iron	<0.20	[^]	0.20	0.20	mg/L		04/26/15 14:30	04/27/15 22:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/26/15 14:30	04/27/15 22:02	1
Manganese	0.95		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:02	1
Nickel	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:02	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/27/15 22:02	1
Silver	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:02	1
Zinc	0.045	J B	0.30	0.020	mg/L		04/26/15 14:30	04/27/15 22:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/26/15 14:30	04/28/15 00:06	1
Barium	0.075	J	0.50	0.050	mg/L		04/26/15 14:30	04/28/15 00:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/28/15 00:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/26/15 14:30	04/28/15 00:06	1
Chromium	0.011	J	0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:06	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:06	1
Copper	0.028		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:06	1
Iron	5.9		0.20	0.20	mg/L		04/26/15 14:30	04/28/15 00:06	1
Lead	0.011		0.0075	0.0075	mg/L		04/26/15 14:30	04/28/15 00:06	1
Manganese	0.050		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:06	1
Nickel	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/28/15 00:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-3(0-6)-042215

Lab Sample ID: 500-95004-13

Date Collected: 04/22/15 12:05

Matrix: Solid

Date Received: 04/22/15 16:30

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		04/26/15 14:30	04/28/15 00:06	1
Zinc	0.093	J	0.30	0.020	mg/L		04/26/15 14:30	04/28/15 00:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Arsenic	3.0		0.55	0.25	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Barium	11		0.55	0.10	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Beryllium	0.15	J	0.22	0.047	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Cadmium	0.062	J	0.11	0.032	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Calcium	44000		110	35	mg/Kg	☼	04/23/15 16:03	04/29/15 01:45	10
Chromium	3.9		0.55	0.094	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Cobalt	2.9		0.27	0.062	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Copper	3.9		0.55	0.12	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Iron	5500		11	4.2	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Lead	8.3		0.27	0.14	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Magnesium	20000		5.5	2.2	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Manganese	190		0.55	0.11	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Nickel	5.0		0.55	0.15	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Potassium	350		27	4.5	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Sodium	330		55	7.2	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Vanadium	7.7		0.27	0.080	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1
Zinc	19	B	1.1	0.35	mg/Kg	☼	04/23/15 16:03	04/28/15 14:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/27/15 11:30	04/28/15 09:34	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		04/27/15 11:30	04/28/15 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	34		17	6.0	ug/Kg	☼	04/23/15 14:00	04/24/15 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.70		0.200	0.200	SU			04/24/15 12:55	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-3(0-6)-042215D

Lab Sample ID: 500-95004-14

Date Collected: 04/22/15 12:05

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 90.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	4.3	ug/Kg	*		04/27/15 19:11	1
Benzene	<5.5		5.5	1.2	ug/Kg	*		04/27/15 19:11	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	*		04/27/15 19:11	1
Bromoform	<5.5		5.5	1.1	ug/Kg	*		04/27/15 19:11	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	*		04/27/15 19:11	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	*		04/27/15 19:11	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	*		04/27/15 19:11	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	*		04/27/15 19:11	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	*		04/27/15 19:11	1
Chloroform	<5.5		5.5	1.1	ug/Kg	*		04/27/15 19:11	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	*		04/27/15 19:11	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	*		04/27/15 19:11	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	*		04/27/15 19:11	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	*		04/27/15 19:11	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	*		04/27/15 19:11	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	*		04/27/15 19:11	1
1,1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	*		04/27/15 19:11	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	*		04/27/15 19:11	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	*		04/27/15 19:11	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	*		04/27/15 19:11	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	*		04/27/15 19:11	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	*		04/27/15 19:11	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		04/27/15 19:11	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	*		04/27/15 19:11	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	*		04/27/15 19:11	1
Styrene	<5.5		5.5	1.3	ug/Kg	*		04/27/15 19:11	1
1,1,1,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	*		04/27/15 19:11	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	*		04/27/15 19:11	1
Toluene	<5.5		5.5	1.9	ug/Kg	*		04/27/15 19:11	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	*		04/27/15 19:11	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	*		04/27/15 19:11	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	*		04/27/15 19:11	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	*		04/27/15 19:11	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	*		04/27/15 19:11	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	*		04/27/15 19:11	1
Xylenes, Total	<11		11	2.0	ug/Kg	*		04/27/15 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		04/27/15 19:11	1
Dibromofluoromethane	100		75 - 120		04/27/15 19:11	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134		04/27/15 19:11	1
Toluene-d8 (Surr)	97		75 - 122		04/27/15 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	04/24/15 17:09	04/29/15 13:52	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	*	04/24/15 17:09	04/29/15 13:52	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	*	04/24/15 17:09	04/29/15 13:52	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	*	04/24/15 17:09	04/29/15 13:52	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	*	04/24/15 17:09	04/29/15 13:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-3(0-6)-042215D

Lab Sample ID: 500-95004-14

Date Collected: 04/22/15 12:05

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Acenaphthene	9.5 J		36	6.6	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Anthracene	56		36	6.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Benzo[a]anthracene	370		36	4.9	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Benzo[a]pyrene	360		36	7.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Benzo[b]fluoranthene	580		36	7.9	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Benzo[g,h,i]perylene	170		36	12	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Benzo[k]fluoranthene	200		36	11	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Carbazole	<180		180	94	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Chrysene	320		36	10	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Fluoranthene	530		36	6.8	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Fluorene	10 J		36	5.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Hexachloroethane	<180		180	56	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-3(0-6)-042215D

Lab Sample ID: 500-95004-14

Date Collected: 04/22/15 12:05

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	160		36	9.5	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Isophorone	<180		180	41	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Naphthalene	15	J	36	5.6	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Phenanthrene	160		36	5.1	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Phenol	<180		180	81	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Pyrene	890		36	7.3	ug/Kg	☼	04/24/15 17:09	04/29/15 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137				04/24/15 17:09	04/29/15 13:52	1
2-Fluorobiphenyl	64		25 - 119				04/24/15 17:09	04/29/15 13:52	1
2-Fluorophenol	56		25 - 110				04/24/15 17:09	04/29/15 13:52	1
Nitrobenzene-d5	64		25 - 115				04/24/15 17:09	04/29/15 13:52	1
Phenol-d5	53		31 - 110				04/24/15 17:09	04/29/15 13:52	1
Terphenyl-d14	159	X	36 - 134				04/24/15 17:09	04/29/15 13:52	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/26/15 14:30	04/27/15 22:15	1
Barium	0.22	J	0.50	0.050	mg/L		04/26/15 14:30	04/27/15 22:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/27/15 22:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/26/15 14:30	04/27/15 22:15	1
Chromium	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:15	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:15	1
Copper	0.011	J	0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:15	1
Iron	0.34		0.20	0.20	mg/L		04/26/15 14:30	04/27/15 22:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/26/15 14:30	04/27/15 22:15	1
Manganese	0.86		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:15	1
Nickel	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:15	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/27/15 22:15	1
Silver	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:15	1
Zinc	0.13	J B	0.30	0.020	mg/L		04/26/15 14:30	04/27/15 22:15	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		04/26/15 14:30	04/28/15 00:10	1
Barium	0.081	J	0.50	0.050	mg/L		04/26/15 14:30	04/28/15 00:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/28/15 00:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/26/15 14:30	04/28/15 00:10	1
Chromium	0.015	J	0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:10	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:10	1
Copper	0.024	J	0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:10	1
Iron	10		0.20	0.20	mg/L		04/26/15 14:30	04/28/15 00:10	1
Lead	0.020		0.0075	0.0075	mg/L		04/26/15 14:30	04/28/15 00:10	1
Manganese	0.088		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:10	1
Nickel	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:10	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/28/15 00:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-3(0-6)-042215D

Lab Sample ID: 500-95004-14

Date Collected: 04/22/15 12:05

Matrix: Solid

Date Received: 04/22/15 16:30

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		04/26/15 14:30	04/28/15 00:10	1
Zinc	0.19	J	0.30	0.020	mg/L		04/26/15 14:30	04/28/15 00:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Arsenic	3.7		0.52	0.24	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Barium	11		0.52	0.095	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Beryllium	0.15	J	0.21	0.045	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Cadmium	0.057	J	0.10	0.030	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Calcium	43000		100	33	mg/Kg	☼	04/23/15 16:03	04/29/15 01:49	10
Chromium	4.0		0.52	0.089	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Cobalt	3.1		0.26	0.058	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Copper	3.9		0.52	0.11	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Iron	5800		10	4.0	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Lead	8.6		0.26	0.13	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Magnesium	20000		5.2	2.1	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Manganese	200		0.52	0.10	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Nickel	5.1		0.52	0.14	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Potassium	360		26	4.2	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Sodium	360		52	6.8	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Thallium	<0.52		0.52	0.25	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Vanadium	8.0		0.26	0.076	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1
Zinc	24	B	1.0	0.33	mg/Kg	☼	04/23/15 16:03	04/28/15 14:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/27/15 11:30	04/28/15 09:36	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		04/27/15 11:30	04/28/15 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	37		17	6.1	ug/Kg	☼	04/23/15 14:00	04/24/15 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.69		0.200	0.200	SU			04/24/15 12:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-5(0-5)-042215

Lab Sample ID: 500-95004-17

Date Collected: 04/22/15 13:30

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	4.3	ug/Kg	*		04/27/15 20:27	1
Benzene	<5.5		5.5	1.2	ug/Kg	*		04/27/15 20:27	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	*		04/27/15 20:27	1
Bromoform	<5.5		5.5	1.1	ug/Kg	*		04/27/15 20:27	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	*		04/27/15 20:27	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	*		04/27/15 20:27	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	*		04/27/15 20:27	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	*		04/27/15 20:27	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	*		04/27/15 20:27	1
Chloroform	<5.5		5.5	1.1	ug/Kg	*		04/27/15 20:27	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	*		04/27/15 20:27	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	*		04/27/15 20:27	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	*		04/27/15 20:27	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	*		04/27/15 20:27	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	*		04/27/15 20:27	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	*		04/27/15 20:27	1
1,1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	*		04/27/15 20:27	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	*		04/27/15 20:27	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	*		04/27/15 20:27	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	*		04/27/15 20:27	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	*		04/27/15 20:27	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	*		04/27/15 20:27	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		04/27/15 20:27	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	*		04/27/15 20:27	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	*		04/27/15 20:27	1
Styrene	<5.5		5.5	1.3	ug/Kg	*		04/27/15 20:27	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	*		04/27/15 20:27	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	*		04/27/15 20:27	1
Toluene	<5.5		5.5	1.9	ug/Kg	*		04/27/15 20:27	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	*		04/27/15 20:27	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	*		04/27/15 20:27	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	*		04/27/15 20:27	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	*		04/27/15 20:27	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	*		04/27/15 20:27	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	*		04/27/15 20:27	1
Xylenes, Total	<11		11	2.0	ug/Kg	*		04/27/15 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122		04/27/15 20:27	1
Dibromofluoromethane	103		75 - 120		04/27/15 20:27	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134		04/27/15 20:27	1
Toluene-d8 (Surr)	98		75 - 122		04/27/15 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	04/24/15 17:09	04/29/15 15:17	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	04/24/15 17:09	04/29/15 15:17	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	*	04/24/15 17:09	04/29/15 15:17	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	*	04/24/15 17:09	04/29/15 15:17	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	*	04/24/15 17:09	04/29/15 15:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-5(0-5)-042215

Lab Sample ID: 500-95004-17

Date Collected: 04/22/15 13:30

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2-Methylnaphthalene	12	J	36	6.6	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2-Methylphenol	<180		180	57	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
2-Nitrophenol	<360		360	84	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Acenaphthene	24	J	36	6.4	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Anthracene	69		36	6.0	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Benzo[a]anthracene	360		36	4.8	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Benzo[a]pyrene	340		36	6.9	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Benzo[b]fluoranthene	440		36	7.7	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Benzo[g,h,i]perylene	230		36	12	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Benzo[k]fluoranthene	240		36	11	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Carbazole	<180		180	92	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Chrysene	330		36	9.7	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Dibenz(a,h)anthracene	77		36	6.9	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Dibenzofuran	<180		180	42	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Fluoranthene	570		36	6.6	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Fluorene	21	J	36	5.0	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Hexachloroethane	<180		180	54	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-5(0-5)-042215

Lab Sample ID: 500-95004-17

Date Collected: 04/22/15 13:30

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	190		36	9.3	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Isophorone	<180		180	40	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Naphthalene	16 J		36	5.5	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Phenanthrene	360		36	5.0	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Phenol	<180		180	79	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Pyrene	1400		36	7.1	ug/Kg	☼	04/24/15 17:09	04/29/15 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137				04/24/15 17:09	04/29/15 15:17	1
2-Fluorobiphenyl	65		25 - 119				04/24/15 17:09	04/29/15 15:17	1
2-Fluorophenol	55		25 - 110				04/24/15 17:09	04/29/15 15:17	1
Nitrobenzene-d5	59		25 - 115				04/24/15 17:09	04/29/15 15:17	1
Phenol-d5	56		31 - 110				04/24/15 17:09	04/29/15 15:17	1
Terphenyl-d14	214 X		36 - 134				04/24/15 17:09	04/29/15 15:17	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/26/15 14:30	04/27/15 22:30	1
Barium	0.34 J		0.50	0.050	mg/L		04/26/15 14:30	04/27/15 22:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/27/15 22:30	1
Cadmium	0.0028 J		0.0050	0.0020	mg/L		04/26/15 14:30	04/27/15 22:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:30	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:30	1
Copper	0.016 J		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:30	1
Iron	<0.20		0.20	0.20	mg/L		04/26/15 14:30	04/27/15 22:30	1
Lead	0.0091		0.0075	0.0075	mg/L		04/26/15 14:30	04/27/15 22:30	1
Manganese	0.48		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:30	1
Nickel	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:30	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/27/15 22:30	1
Silver	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:30	1
Zinc	0.10 J B		0.30	0.020	mg/L		04/26/15 14:30	04/27/15 22:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010 J		0.050	0.010	mg/L		04/26/15 14:30	04/28/15 00:34	1
Barium	0.12 J		0.50	0.050	mg/L		04/26/15 14:30	04/28/15 00:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/28/15 00:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/26/15 14:30	04/28/15 00:34	1
Chromium	0.026		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:34	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:34	1
Copper	0.053		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:34	1
Iron	17		0.20	0.20	mg/L		04/26/15 14:30	04/28/15 00:34	1
Lead	0.20		0.0075	0.0075	mg/L		04/26/15 14:30	04/28/15 00:34	1
Manganese	0.21		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:34	1
Nickel	0.013 J		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:34	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/28/15 00:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-5(0-5)-042215

Lab Sample ID: 500-95004-17

Date Collected: 04/22/15 13:30

Matrix: Solid

Date Received: 04/22/15 16:30

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		04/26/15 14:30	04/28/15 00:34	1
Zinc	0.32		0.30	0.020	mg/L		04/26/15 14:30	04/28/15 00:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.22	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Arsenic	3.3		0.52	0.24	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Barium	30		0.52	0.095	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Beryllium	0.29		0.21	0.045	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Cadmium	0.25		0.10	0.030	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Calcium	57000		100	34	mg/Kg	☼	04/23/15 16:03	04/29/15 02:01	10
Chromium	6.7		0.52	0.090	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Cobalt	3.3		0.26	0.059	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Copper	12		0.52	0.11	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Iron	6500		10	4.0	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Lead	97		0.26	0.13	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Magnesium	25000		5.2	2.1	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Manganese	250		0.52	0.10	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Nickel	7.1		0.52	0.14	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Potassium	600		26	4.3	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Sodium	410		52	6.9	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Vanadium	9.5		0.26	0.076	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	1
Zinc	68 B		1.0	0.33	mg/Kg	☼	04/23/15 16:03	04/28/15 15:10	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		04/27/15 11:30	04/28/15 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/27/15 11:30	04/28/15 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	110		16	5.8	ug/Kg	☼	04/23/15 14:00	04/24/15 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.80		0.200	0.200	SU			04/24/15 13:06	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-5(5-12)-042215

Lab Sample ID: 500-95004-18

Date Collected: 04/22/15 13:35

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 76.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.6		6.6	5.1	ug/Kg	*		04/27/15 20:52	1
Benzene	<6.6		6.6	1.5	ug/Kg	*		04/27/15 20:52	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg	*		04/27/15 20:52	1
Bromoform	<6.6		6.6	1.3	ug/Kg	*		04/27/15 20:52	1
Bromomethane	<6.6		6.6	2.4	ug/Kg	*		04/27/15 20:52	1
Carbon disulfide	<6.6		6.6	2.4	ug/Kg	*		04/27/15 20:52	1
Carbon tetrachloride	<6.6		6.6	1.4	ug/Kg	*		04/27/15 20:52	1
Chlorobenzene	<6.6		6.6	1.5	ug/Kg	*		04/27/15 20:52	1
Chloroethane	<6.6		6.6	2.8	ug/Kg	*		04/27/15 20:52	1
Chloroform	<6.6		6.6	1.3	ug/Kg	*		04/27/15 20:52	1
Chloromethane	<6.6		6.6	1.6	ug/Kg	*		04/27/15 20:52	1
cis-1,2-Dichloroethene	<6.6		6.6	1.3	ug/Kg	*		04/27/15 20:52	1
cis-1,3-Dichloropropene	<6.6		6.6	1.5	ug/Kg	*		04/27/15 20:52	1
Dibromochloromethane	<6.6		6.6	0.76	ug/Kg	*		04/27/15 20:52	1
1,1-Dichloroethane	<6.6		6.6	1.4	ug/Kg	*		04/27/15 20:52	1
1,2-Dichloroethane	<6.6		6.6	0.97	ug/Kg	*		04/27/15 20:52	1
1,1,1-Dichloroethene	<6.6		6.6	2.4	ug/Kg	*		04/27/15 20:52	1
1,2-Dichloropropane	<6.6		6.6	1.7	ug/Kg	*		04/27/15 20:52	1
1,3-Dichloropropene, Total	<6.6		6.6	1.9	ug/Kg	*		04/27/15 20:52	1
Ethylbenzene	<6.6		6.6	1.6	ug/Kg	*		04/27/15 20:52	1
2-Hexanone	<6.6		6.6	2.0	ug/Kg	*		04/27/15 20:52	1
Methylene Chloride	<6.6		6.6	5.0	ug/Kg	*		04/27/15 20:52	1
Methyl Ethyl Ketone	<6.6		6.6	2.3	ug/Kg	*		04/27/15 20:52	1
methyl isobutyl ketone	<6.6		6.6	1.4	ug/Kg	*		04/27/15 20:52	1
Methyl tert-butyl ether	<6.6		6.6	1.5	ug/Kg	*		04/27/15 20:52	1
Styrene	<6.6		6.6	1.5	ug/Kg	*		04/27/15 20:52	1
1,1,1,2-Tetrachloroethane	<6.6		6.6	1.0	ug/Kg	*		04/27/15 20:52	1
Tetrachloroethene	<6.6		6.6	1.4	ug/Kg	*		04/27/15 20:52	1
Toluene	<6.6		6.6	2.3	ug/Kg	*		04/27/15 20:52	1
trans-1,2-Dichloroethene	<6.6		6.6	1.6	ug/Kg	*		04/27/15 20:52	1
trans-1,3-Dichloropropene	<6.6		6.6	1.9	ug/Kg	*		04/27/15 20:52	1
1,1,1-Trichloroethane	<6.6		6.6	1.5	ug/Kg	*		04/27/15 20:52	1
1,1,2-Trichloroethane	<6.6		6.6	1.3	ug/Kg	*		04/27/15 20:52	1
Trichloroethene	<6.6		6.6	1.8	ug/Kg	*		04/27/15 20:52	1
Vinyl chloride	<6.6		6.6	1.6	ug/Kg	*		04/27/15 20:52	1
Xylenes, Total	<13		13	2.4	ug/Kg	*		04/27/15 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122		04/27/15 20:52	1
Dibromofluoromethane	103		75 - 120		04/27/15 20:52	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		04/27/15 20:52	1
Toluene-d8 (Surr)	98		75 - 122		04/27/15 20:52	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	*	04/24/15 17:09	04/29/15 15:38	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	*	04/24/15 17:09	04/29/15 15:38	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	*	04/24/15 17:09	04/29/15 15:38	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	*	04/24/15 17:09	04/29/15 15:38	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	*	04/24/15 17:09	04/29/15 15:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-5(5-12)-042215

Lab Sample ID: 500-95004-18

Date Collected: 04/22/15 13:35

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2-Methylnaphthalene	<41		41	7.6	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2-Methylphenol	<210		210	67	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
4-Chloroaniline	<840		840	190	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
4-Nitrophenol	<840		840	390	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Acenaphthene	16 J		41	7.5	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Acenaphthylene	12 J		41	5.5	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Anthracene	50		41	6.9	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Benzo[a]anthracene	280		41	5.6	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Benzo[a]pyrene	240		41	8.0	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Benzo[b]fluoranthene	370		41	9.0	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Benzo[g,h,i]perylene	210		41	13	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Benzo[k]fluoranthene	120		41	12	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Carbazole	<210		210	110	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Chrysene	280		41	11	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Dibenzofuran	<210		210	49	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Fluoranthene	440		41	7.7	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Fluorene	21 J		41	5.8	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Hexachlorobenzene	<84		84	9.6	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Hexachloroethane	<210		210	63	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-5(5-12)-042215

Lab Sample ID: 500-95004-18

Date Collected: 04/22/15 13:35

Matrix: Solid

Date Received: 04/22/15 16:30

Percent Solids: 76.1

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	170		41	11	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Isophorone	<210		210	47	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Naphthalene	<41		41	6.4	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Nitrobenzene	<41		41	10	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Phenanthrene	240		41	5.8	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Phenol	<210		210	92	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Pyrene	1300		41	8.2	ug/Kg	☼	04/24/15 17:09	04/29/15 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		35 - 137				04/24/15 17:09	04/29/15 15:38	1
2-Fluorobiphenyl	54		25 - 119				04/24/15 17:09	04/29/15 15:38	1
2-Fluorophenol	46		25 - 110				04/24/15 17:09	04/29/15 15:38	1
Nitrobenzene-d5	51		25 - 115				04/24/15 17:09	04/29/15 15:38	1
Phenol-d5	48		31 - 110				04/24/15 17:09	04/29/15 15:38	1
Terphenyl-d14	222	X	36 - 134				04/24/15 17:09	04/29/15 15:38	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/26/15 14:30	04/27/15 22:35	1
Barium	0.29	J	0.50	0.050	mg/L		04/26/15 14:30	04/27/15 22:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/27/15 22:35	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		04/26/15 14:30	04/27/15 22:35	1
Chromium	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:35	1
Cobalt	0.012	J	0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:35	1
Copper	0.019	J	0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:35	1
Iron	<0.20		0.20	0.20	mg/L		04/26/15 14:30	04/27/15 22:35	1
Lead	0.027		0.0075	0.0075	mg/L		04/26/15 14:30	04/27/15 22:35	1
Manganese	1.1		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:35	1
Nickel	0.010	J	0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:35	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/27/15 22:35	1
Silver	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/27/15 22:35	1
Zinc	0.77	B	0.30	0.020	mg/L		04/26/15 14:30	04/27/15 22:35	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		04/26/15 14:30	04/28/15 00:38	1
Barium	0.066	J	0.50	0.050	mg/L		04/26/15 14:30	04/28/15 00:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/26/15 14:30	04/28/15 00:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/26/15 14:30	04/28/15 00:38	1
Chromium	0.010	J	0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:38	1
Cobalt	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:38	1
Copper	0.026		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:38	1
Iron	4.1		0.20	0.20	mg/L		04/26/15 14:30	04/28/15 00:38	1
Lead	0.044		0.0075	0.0075	mg/L		04/26/15 14:30	04/28/15 00:38	1
Manganese	0.055		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:38	1
Nickel	<0.025		0.025	0.010	mg/L		04/26/15 14:30	04/28/15 00:38	1
Selenium	<0.050		0.050	0.020	mg/L		04/26/15 14:30	04/28/15 00:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Client Sample ID: ROW1-5(5-12)-042215

Lab Sample ID: 500-95004-18

Date Collected: 04/22/15 13:35

Matrix: Solid

Date Received: 04/22/15 16:30

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		04/26/15 14:30	04/28/15 00:38	1
Zinc	0.21	J	0.30	0.020	mg/L		04/26/15 14:30	04/28/15 00:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.26	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Arsenic	2.3		0.62	0.29	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Barium	210		0.62	0.11	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Beryllium	0.29		0.25	0.054	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Cadmium	0.23		0.12	0.036	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Calcium	53000		120	40	mg/Kg	⊛	04/23/15 16:03	04/29/15 02:05	10
Chromium	11		0.62	0.11	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Cobalt	3.8		0.31	0.070	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Copper	14		0.62	0.13	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Iron	8700		12	4.8	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Lead	38		0.31	0.15	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Magnesium	23000		6.2	2.5	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Manganese	240		0.62	0.12	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Nickel	14		0.62	0.17	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Potassium	510		31	5.1	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Selenium	<0.62		0.62	0.31	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Silver	<0.31		0.31	0.073	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Sodium	730		62	8.2	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Thallium	<0.62		0.62	0.31	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Vanadium	32		0.31	0.091	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1
Zinc	100	B	1.2	0.39	mg/Kg	⊛	04/23/15 16:03	04/28/15 15:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/27/15 11:30	04/28/15 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/27/15 11:30	04/28/15 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	62		21	7.5	ug/Kg	⊛	04/23/15 14:00	04/24/15 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.97		0.200	0.200	SU			04/24/15 13:09	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
E	Result exceeded calibration range.
X	Surrogate is outside control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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)

TestAmerica Chicago

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95004-1

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	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMEN

2417 Bond Street, University Park,
Phone: 708.534.5200 Fax: 70



500-95004 COC

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

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

Chain of Custody Record

Lab Job #: 500-95004
Chain of Custody Number: _____
Page 1 of 2
Temperature °C of Cooler: 3.0

Client		Client Project #		Preservative		Parameter					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	
<u>Weston Solutions</u>		<u>02056-014.023.0030</u>		<u>7, 1st</u>	<u>7, 2nd</u>	<u>7</u>	<u>7</u>	<u>7</u>				
Project Name		Lab Project #		Matrix		Comments						
<u>IDOT 023-NB I-55 Ramp to LSD</u>				<u>VOCs</u> <u>SUOCs</u>								
Project Location/State		Lab PM		# of Containers	Matrix	TOTAL METALS	TOC/P/S/P/METALS	pH				
<u>Chicago, IL</u>		<u>D. Wright</u>										
Lab ID	MS/MSD	Sample ID	Date	Time								
<u>1</u>		<u>ROW1-17(0-6)-042215</u>	<u>4-22-15</u>	<u>0830</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u># Groundwater Samples</u>
<u>2</u>		<u>ROW1-17(0-6)-042215D</u>		<u>0830</u>								
<u>3</u>		<u>ROW1-17(6-3)-042215</u>		<u>0835</u>								
<u>4</u>		<u>ROW1-16(0-6)-042215</u>		<u>0850</u>								
<u>5</u>		<u>ROW1-15(0-6)-042215</u>		<u>0910</u>								
<u>6</u>		<u>ROW1-14(0-3)-042215</u>		<u>0930</u>								
<u>7</u>		<u>ROW1-14(5-12)-042215</u>		<u>0935</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>8</u>		<u>ROW1-14-042215</u>		<u>1015</u>	<u>6</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>			
<u>9</u>		<u>TRIP BLANK</u>		<u>—</u>	<u>2</u>	<u>W</u>	<u>X</u>					
<u>10</u>		<u>ROW1-1(0-6)-042215</u>	<u>4-22-15</u>	<u>1115</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

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 <u>[Signature]</u>	Company <u>Weston</u>	Date <u>4-22-15</u>	Time <u>1522</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>4-22-15</u>	Time <u>1322</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>4-22-15</u>	Time <u>1630</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>4/22/15</u>	Time <u>1630</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>4-22-15</u>	Time <u>1630</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>4/22/15</u>	Time <u>1630</u>

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-945004

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key	
Weston Solutions Inc.		02056.014.023.0030		7	7	7	7	7			
Project Name		Lab Project #		Sampling		# of Containers	Matrix	Comments			
IDOT 023 - I-55 Ramp to LSD				Date	Time						
Project Location/State		Lab PM									
Chicago, IL		D. Wright									
Sampler											
H. Doherty-Skubic											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCU/SP/ METALS	PH
11		ROW1-1(0-3)-042215	4-22-15	1130	2	S	X	X	X	X	X
12		ROW1-2(0-6)-042215		1150							
13		ROW1-3(0-6)-042215		1205							
14		ROW1-3(0-6)-042215D		1205							
15		ROW1-4(0-5)-042215		1250							
16		ROW1-4(5-12)-042215		1305							
17		ROW1-5(0-5)-042215		1330							
18		ROW1-5(5-12)-042215		1335							
19		ROW1-14(0-5)-042215		1408							
20		ROW1-14(5-12)-042215	4-22-15	1425	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 <u>[Signature]</u> Company <u>Weston</u>	Date <u>4-22-15</u>	Time <u>5:22</u>	Received By <u>[Signature]</u> Company <u>TA</u>	Date <u>4-22-15</u>	Time <u>1:20</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u>	Date <u>4-22-15</u>	Time <u>1:30</u>	Received By <u>[Signature]</u> Company <u>TA</u>	Date <u>4/22/15</u>	Time <u>1630</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u>	Date <u>4-22-15</u>	Time <u>1630</u>	Received By <u>[Signature]</u> Company <u>TA</u>	Date <u>4/22/15</u>	Time <u>1630</u>

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park,
Phone: 708.584.5200 Fax: 708.584.5200



500-95004 COC

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

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

Chain of Custody

Lab Job #: 500-95004
Chain of Custody Number: _____
Page 1 of 2
Temperature °C of Cooler: 3.0

Client		Client Project #		Preservative		Parameter					Preservative Key
Weston Solutions		02056-014-023-0030		7 _{11P}	7 _{5P}	7	7	7			
Project Name		Lab Project #		# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCU/SP/PLUMETALS	PH	Comments
IDOT 023- NB I-55 Ramp to LSD											
Project Location/State		Lab PM		Sampling							
Chicago, IL		D. Waight		Date	Time						
Lab ID	MS/MSD	Sample ID									
1		ROW1-17(0-6)-042215	4-22-15	0830	2 S	X	X	X	X	X	* Groundwater
2		ROW1-17(0-6)-042215D		0830	1 S						Sample
3		ROW1-17(6-13)-042215		0835	1 S						
4		ROW1-16(0-6)-042215		0850	1 S						
5		ROW1-15(0-6)-042215		0910	1 S						
6		ROW1-14(0-5)-042215		0930	1 S						
7		ROW1-14(5-12)-042215		0935	2 S	X	X	X	X	X	
8		ROW1-14-042215		1015	6 W	X	X	X			
9		TRIPBLANK			2 W	X					
10		ROW1-1(0-6)-042215	4-22-15	1115	2 S	X	X	X	X	X	

Turnaround Time Required (Business Days)

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

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: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>4-22-15</u> Time: <u>1500</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4-22-15</u> Time: <u>1322</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4-22-15</u> Time: <u>1030</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>4/22/15</u> Time: <u>1630</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody

Lab Job #: 500-945004
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter					Preservative Key	
Weston Solutions Inc.		02036.014.013.0030		7	7	7	7	7				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
Project Name		Lab Project #		Containers		Matrix					Comments	
1DOT 023-I-55 Ramp to LSD				# of	Matrix	VOCs	SVOCs	TOTAL METALS	TRACE METALS	PH		
Project Location/State		Lab PM		Sampling								
Chicago, IL		D. Wright		Date	Time							
Sampler		Sample ID										
M. Doherty-Skubic												
11	MS/MSD	ROW1-1(0-3)-042215	4-22-15	1130	2	S	X	X	X	X	X	
12		ROW1-2(0-6)-042215		1150								
13		ROW1-3(0-6)-042215		1205								
14		ROW1-3(0-6)-042215D		1205								
15		ROW1-4(0-5)-042215		1250								
16		ROW1-4(5-12)-042215		1305								
17		ROW1-5(0-5)-042215		1330								
18		ROW1-5(5-12)-042215		1335								
19		ROW1- 4 ¹³ (0-5)-042215		1408								Sample not corrected
20		ROW1- 4 ¹³ (5-12)-042215	4-22-15	1425	2	S	X	X	X	X	X	per Antris Slesers 5/4/15 email 5/11/15 qb

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: [Signature] Company: Weston Date: 4-22-15 Time: 5:02

Relinquished By: [Signature] Company: TA Date: 4/22/15 Time: 1630

Relinquished By: [Signature] Company: TA Date: 4/22/15 Time: 1630

Received By: [Signature] Company: TA Date: 4-22-15 Time: 1700

Received By: [Signature] Company: TA Date: 4/22/15 Time: 1630

Received By: [Signature] Company: TA Date: 4/22/15 Time: 1630

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments:

Lab Comments:



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

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

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

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

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

I. Source Location Information

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

Project Name: FAI 55: I-55 from Prairie Ave to LSD NB Ramp Office Phone Number, if available: _____

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

407 East 25th Street (ISGS Site No. 2045-10)

City: Chicago State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.847913662 Longitude: -87.617180070

(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: FAI 55: I-55 from Prairie Ave to LSD NB RampLatitude: 41.847913662 Longitude: -87.617180070Uncontaminated 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 US-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2045-10. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-95193-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.Street Address: 300 Circle Plaza; Suite 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:



06/02/2015



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:

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

Summary Table of ISGS Site No. 2045-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: I-55 from Prairie Avenue to ICG Railroad (LSD NB Ramp)
Chicago, Cook County, Illinois

Field Sample ID	US-1(0-5)-042715	US-1(5-11)-042715	Soil Reference Concentrations ^A
Sample Date	4/27/2015	4/27/2015	
Location ID	US-1	US-1	
Depth	0 - 5	5 - 11	
ISGS Site No.	2045-10	2045-10	
Parameter			
Laboratory pH (s.u.)	8.83	8.8	<6.25,>9.00
VOCs (ug/kg)	None Detected		
SVOCs (ug/kg)			
2-Methylnaphthalene	20 J	ND	---
Acenaphthene	27 J	ND	570000
Acenaphthylene	19 J	ND	---
Anthracene	75	8.3 J	1.20E+07
Benzo(a)anthracene	450	21 J	900 / 1100 / 1800
Benzo(a)pyrene	350	17 J	90 / 1300 / 2100
Benzo(b)fluoranthene	470	19 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	210 J	14 J	---
Benzo(k)fluoranthene	210	13 J	9000
Chrysene	390	23 J	88000
Dibenzo(a,h)anthracene	86 J	ND	90 / 200 / 420
Fluoranthene	750 J-	42	3100000
Fluorene	19 J	ND	560000
Indeno(1,2,3-cd)pyrene	190 J	12 J	900 / 900 / 1600
Phenanthrene	330	30 J	---
Pyrene	640 J+	33 J	2300000
Total Metals (mg/kg)			
Antimony, Total	0.63 J	ND	5
Arsenic, Total	7.7 J-	1.6 J-	11.3 / 13
Barium, Total	25	4.8	1500
Beryllium, Total	0.3	0.14 J	22
Cadmium, Total	0.14	ND	5.2
Calcium, Total	54000 J+	39000 J+	---
Chromium, Total	7.3	4.3	21
Cobalt, Total	3.9 J-	2.2 J-	20
Copper, Total	13 J-	2.4 J-	2900
Iron, Total	8300 J	4900 J	15000 / 15900
Lead, Total	43 J	3.4 J	107
Magnesium, Total	24000 J+	20000 J+	325000
Manganese, Total	220 J-	190 J-	630 / 636
Mercury, Total	0.22 J	0.0073 J	0.89
Nickel, Total	9.6 J-	3.7 J-	100
Potassium, Total	1200 J+	380 J+	---
Silver, Total	0.064 J	ND	4.4
Sodium, Total	300	240	---
Thallium, Total	0.67	0.42 J	2.6
Vanadium, Total	11	6.7	550
Zinc, Total	45 J-	14 J-	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.31 J	0.1 J	2
Cadmium, TCLP	0.0033 J	ND	0.005
Chromium, TCLP	ND	0.028	0.1
Cobalt, TCLP	0.01 J	0.025 ^	1
Iron, TCLP	ND	1.2	5
Lead, TCLP	0.021	0.011	0.0075
Manganese, TCLP	1.2	1.5	0.15
Nickel, TCLP	0.016 J	0.022 J	0.1
Zinc, TCLP	0.26 ^	0.071 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.025 J	ND	0.05
Barium, SPLP	0.12 J	ND	2
Chromium, SPLP	0.022 J	ND	0.1
Copper, SPLP	0.034	ND	0.65
Iron, SPLP	13 J+	ND	5
Lead, SPLP	0.11	ND	0.0075
Manganese, SPLP	0.13	0.023 J	0.15
Nickel, SPLP	0.018 J	ND	0.1
Zinc, SPLP	0.21	0.049 J	5

Summary Table of ISGS Site No. 2045-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: I-55 from Prairie Avenue to ICG Railroad (LSD NB Ramp)
Chicago, Cook 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 low.

J+ - Estimated concentration, biased high.

[^] - Instrument related Quality Control outside acceptable limits.

 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: 500-95193-1

Client Project/Site: IDOT - Chicago - WO 023

For:

Weston Solutions, Inc.

300 Plaza Circle, Suite 202

Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:

5/7/2015 2:47:27 PM

Jodie Bracken, Project Management Assistant II

jodie.bracken@testamericainc.com

Designee for

Richard Wright, Senior Project Manager

(708)534-5200

richard.wright@testamericainc.com

LINKS

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results through

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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Client Sample ID: US-1(0-5)-042715

Lab Sample ID: 500-95193-1

Date Collected: 04/27/15 07:55

Matrix: Solid

Date Received: 04/28/15 08:00

Percent Solids: 88.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	4.4	ug/Kg	*		04/28/15 16:46	1
Benzene	<5.6		5.6	1.2	ug/Kg	*		04/28/15 16:46	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	*		04/28/15 16:46	1
Bromoform	<5.6		5.6	1.1	ug/Kg	*		04/28/15 16:46	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	*		04/28/15 16:46	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	*		04/28/15 16:46	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	*		04/28/15 16:46	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	*		04/28/15 16:46	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	*		04/28/15 16:46	1
Chloroform	<5.6		5.6	1.1	ug/Kg	*		04/28/15 16:46	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	*		04/28/15 16:46	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	*		04/28/15 16:46	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	*		04/28/15 16:46	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	*		04/28/15 16:46	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	*		04/28/15 16:46	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	*		04/28/15 16:46	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	*		04/28/15 16:46	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	*		04/28/15 16:46	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	*		04/28/15 16:46	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	*		04/28/15 16:46	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	*		04/28/15 16:46	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	*		04/28/15 16:46	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	*		04/28/15 16:46	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	*		04/28/15 16:46	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	*		04/28/15 16:46	1
Styrene	<5.6		5.6	1.3	ug/Kg	*		04/28/15 16:46	1
1,1,1,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	*		04/28/15 16:46	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	*		04/28/15 16:46	1
Toluene	<5.6		5.6	2.0	ug/Kg	*		04/28/15 16:46	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	*		04/28/15 16:46	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	*		04/28/15 16:46	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	*		04/28/15 16:46	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	*		04/28/15 16:46	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	*		04/28/15 16:46	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	*		04/28/15 16:46	1
Xylenes, Total	<11		11	2.1	ug/Kg	*		04/28/15 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 122		04/28/15 16:46	1
Dibromofluoromethane	97		75 - 120		04/28/15 16:46	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134		04/28/15 16:46	1
Toluene-d8 (Surr)	101		75 - 122		04/28/15 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	*	04/30/15 07:19	05/04/15 20:17	1
1,2-Dichlorobenzene	<190	F1	190	44	ug/Kg	*	04/30/15 07:19	05/04/15 20:17	1
1,3-Dichlorobenzene	<190	F1	190	42	ug/Kg	*	04/30/15 07:19	05/04/15 20:17	1
1,4-Dichlorobenzene	<190	F1	190	48	ug/Kg	*	04/30/15 07:19	05/04/15 20:17	1
2,2'-oxybis[1-chloropropane]	<190	F1	190	43	ug/Kg	*	04/30/15 07:19	05/04/15 20:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Client Sample ID: US-1(0-5)-042715

Lab Sample ID: 500-95193-1

Date Collected: 04/27/15 07:55

Matrix: Solid

Date Received: 04/28/15 08:00

Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2,4-Dinitrophenol	<750	F1	750	650	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2-Chlorophenol	<190	F1	190	63	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2-Methylnaphthalene	20	J	37	6.8	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2-Methylphenol	<190		190	59	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2-Nitroaniline	<190	F1	190	50	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
2-Nitrophenol	<370	F1	370	88	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
4,6-Dinitro-2-methylphenol	<370	F1	370	300	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Acenaphthene	27	J	37	6.7	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Acenaphthylene	19	J	37	4.9	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Anthracene	75		37	6.2	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Benzo[a]anthracene	450		37	5.0	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Benzo[a]pyrene	350		37	7.2	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Benzo[b]fluoranthene	470		37	8.0	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Benzo[g,h,i]perylene	210	F2	37	12	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Benzo[k]fluoranthene	210		37	11	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Bis(2-chloroethoxy)methane	<190	F1	190	38	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Butyl benzyl phthalate	<190	F1	190	71	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Carbazole	<190	F1	190	96	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Chrysene	390		37	10	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Dibenz(a,h)anthracene	86	F2	37	7.2	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Di-n-octyl phthalate	<190	F1	190	60	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Fluoranthene	750	F1	37	6.9	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Fluorene	19	J	37	5.2	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Hexachlorocyclopentadiene	<750	F1	750	210	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Hexachloroethane	<190	F1	190	56	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Client Sample ID: US-1(0-5)-042715

Lab Sample ID: 500-95193-1

Date Collected: 04/27/15 07:55

Matrix: Solid

Date Received: 04/28/15 08:00

Percent Solids: 88.8

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	190	F2	37	9.6	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Isophorone	<190		190	42	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Phenanthrene	330		37	5.2	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Phenol	<190		190	82	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Pyrene	640	F1	37	7.4	ug/Kg	☼	04/30/15 07:19	05/04/15 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		35 - 137				04/30/15 07:19	05/04/15 20:17	1
2-Fluorobiphenyl	59		25 - 119				04/30/15 07:19	05/04/15 20:17	1
2-Fluorophenol	47		25 - 110				04/30/15 07:19	05/04/15 20:17	1
Nitrobenzene-d5	55		25 - 115				04/30/15 07:19	05/04/15 20:17	1
Phenol-d5	36		31 - 110				04/30/15 07:19	05/04/15 20:17	1
Terphenyl-d14	79		36 - 134				04/30/15 07:19	05/04/15 20:17	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/30/15 09:35	05/01/15 04:29	1
Barium	0.31	J	0.50	0.050	mg/L		04/30/15 09:35	05/01/15 04:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/30/15 09:35	05/01/15 04:29	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		04/30/15 09:35	05/01/15 13:37	1
Chromium	<0.025		0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:29	1
Cobalt	0.010	J ^	0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:29	1
Copper	<0.025		0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:29	1
Iron	<0.20		0.20	0.20	mg/L		04/30/15 09:35	05/01/15 04:29	1
Lead	0.021		0.0075	0.0075	mg/L		04/30/15 09:35	05/01/15 04:29	1
Manganese	1.2		0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:29	1
Nickel	0.016	J	0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:29	1
Selenium	<0.050		0.050	0.020	mg/L		04/30/15 09:35	05/01/15 04:29	1
Silver	<0.025		0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:29	1
Zinc	0.26	^	0.10	0.020	mg/L		04/30/15 09:35	05/01/15 04:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.025	J	0.050	0.010	mg/L		04/30/15 15:50	05/01/15 14:45	1
Barium	0.12	J	0.50	0.050	mg/L		04/30/15 15:50	05/01/15 14:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/30/15 15:50	05/01/15 14:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/30/15 15:50	05/01/15 14:45	1
Chromium	0.022	J	0.025	0.010	mg/L		04/30/15 15:50	05/01/15 14:45	1
Cobalt	<0.025		0.025	0.010	mg/L		04/30/15 15:50	05/01/15 14:45	1
Copper	0.034		0.025	0.010	mg/L		04/30/15 15:50	05/01/15 14:45	1
Iron	13		0.20	0.20	mg/L		04/30/15 15:50	05/01/15 14:45	1
Lead	0.11		0.0075	0.0075	mg/L		04/30/15 15:50	05/01/15 14:45	1
Manganese	0.13		0.025	0.010	mg/L		04/30/15 15:50	05/01/15 14:45	1
Nickel	0.018	J	0.025	0.010	mg/L		04/30/15 15:50	05/01/15 14:45	1
Selenium	<0.050		0.050	0.020	mg/L		04/30/15 15:50	05/01/15 14:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Client Sample ID: US-1(0-5)-042715

Lab Sample ID: 500-95193-1

Date Collected: 04/27/15 07:55

Matrix: Solid

Date Received: 04/28/15 08:00

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		04/30/15 15:50	05/01/15 14:45	1
Zinc	0.21		0.10	0.020	mg/L		04/30/15 15:50	05/01/15 14:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.63	J F1	1.1	0.23	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Arsenic	7.7	F1	0.54	0.25	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Barium	25		0.54	0.10	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Beryllium	0.30		0.22	0.047	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Cadmium	0.14		0.11	0.032	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Calcium	54000		110	35	mg/Kg	☼	04/29/15 09:50	05/01/15 14:32	10
Chromium	7.3		0.54	0.094	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Cobalt	3.9	F1	0.27	0.062	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Copper	13	F1	0.54	0.12	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Iron	8300	F2	11	4.2	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Lead	43	F2	0.27	0.14	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Magnesium	24000		5.4	2.2	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Manganese	220		0.54	0.11	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Nickel	9.6	F1	0.54	0.15	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Potassium	1200	F1	27	4.4	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Silver	0.064	J	0.27	0.064	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Sodium	300		54	7.2	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Thallium	0.67		0.54	0.27	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Vanadium	11		0.27	0.080	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1
Zinc	45	F1	1.1	0.34	mg/Kg	☼	04/29/15 09:50	04/30/15 14:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/30/15 11:30	05/01/15 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/30/15 11:30	05/01/15 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	220	F1	17	6.0	ug/Kg	☼	04/29/15 14:00	04/30/15 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.83		0.200	0.200	SU			04/30/15 14:21	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Client Sample ID: US-1(5-11)-042715

Lab Sample ID: 500-95193-2

Date Collected: 04/27/15 08:10

Matrix: Solid

Date Received: 04/28/15 08:00

Percent Solids: 93.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	4.2	ug/Kg	*		04/28/15 17:12	1
Benzene	<5.4		5.4	1.2	ug/Kg	*		04/28/15 17:12	1
Bromodichloromethane	<5.4		5.4	0.91	ug/Kg	*		04/28/15 17:12	1
Bromoform	<5.4		5.4	1.1	ug/Kg	*		04/28/15 17:12	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	*		04/28/15 17:12	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	*		04/28/15 17:12	1
Carbon tetrachloride	<5.4		5.4	1.1	ug/Kg	*		04/28/15 17:12	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	*		04/28/15 17:12	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	*		04/28/15 17:12	1
Chloroform	<5.4		5.4	1.0	ug/Kg	*		04/28/15 17:12	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	*		04/28/15 17:12	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	*		04/28/15 17:12	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	*		04/28/15 17:12	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	*		04/28/15 17:12	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	*		04/28/15 17:12	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	*		04/28/15 17:12	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	*		04/28/15 17:12	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	*		04/28/15 17:12	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	*		04/28/15 17:12	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	*		04/28/15 17:12	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	*		04/28/15 17:12	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	*		04/28/15 17:12	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	*		04/28/15 17:12	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	*		04/28/15 17:12	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	*		04/28/15 17:12	1
Styrene	<5.4		5.4	1.3	ug/Kg	*		04/28/15 17:12	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.85	ug/Kg	*		04/28/15 17:12	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	*		04/28/15 17:12	1
Toluene	<5.4		5.4	1.9	ug/Kg	*		04/28/15 17:12	1
trans-1,2-Dichloroethene	<5.4		5.4	1.3	ug/Kg	*		04/28/15 17:12	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	*		04/28/15 17:12	1
1,1,1-Trichloroethane	<5.4		5.4	1.2	ug/Kg	*		04/28/15 17:12	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	*		04/28/15 17:12	1
Trichloroethene	<5.4		5.4	1.4	ug/Kg	*		04/28/15 17:12	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	*		04/28/15 17:12	1
Xylenes, Total	<11		11	2.0	ug/Kg	*		04/28/15 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122		04/28/15 17:12	1
Dibromofluoromethane	102		75 - 120		04/28/15 17:12	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		04/28/15 17:12	1
Toluene-d8 (Surr)	98		75 - 122		04/28/15 17:12	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	*	04/30/15 07:19	05/04/15 13:48	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	*	04/30/15 07:19	05/04/15 13:48	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	*	04/30/15 07:19	05/04/15 13:48	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	*	04/30/15 07:19	05/04/15 13:48	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	*	04/30/15 07:19	05/04/15 13:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Client Sample ID: US-1(5-11)-042715

Lab Sample ID: 500-95193-2

Date Collected: 04/27/15 08:10

Matrix: Solid

Date Received: 04/28/15 08:00

Percent Solids: 93.1

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	☼	04/30/15 07:19	05/04/15 13:48	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2-Methylphenol	<180		180	57	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Anthracene	8.3	J	35	5.9	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Benzo[a]anthracene	21	J	35	4.8	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Benzo[a]pyrene	17	J	35	6.9	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Benzo[b]fluoranthene	19	J	35	7.6	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Benzo[g,h,i]perylene	14	J	35	11	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Benzo[k]fluoranthene	13	J	35	10	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Carbazole	<180		180	92	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Chrysene	23	J	35	9.7	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Dibenzofuran	<180		180	41	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Fluoranthene	42		35	6.6	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Fluorene	<35		35	5.0	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Hexachloroethane	<180		180	54	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Client Sample ID: US-1(5-11)-042715

Lab Sample ID: 500-95193-2

Date Collected: 04/27/15 08:10

Matrix: Solid

Date Received: 04/28/15 08:00

Percent Solids: 93.1

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	12	J	35	9.2	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Isophorone	<180		180	40	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Naphthalene	<35		35	5.5	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Phenanthrene	30	J	35	4.9	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Phenol	<180		180	79	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Pyrene	33	J	35	7.0	ug/Kg	☼	04/30/15 07:19	05/04/15 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	64		35 - 137				04/30/15 07:19	05/04/15 13:48	1
<i>2-Fluorobiphenyl</i>	57		25 - 119				04/30/15 07:19	05/04/15 13:48	1
<i>2-Fluorophenol</i>	52		25 - 110				04/30/15 07:19	05/04/15 13:48	1
<i>Nitrobenzene-d5</i>	51		25 - 115				04/30/15 07:19	05/04/15 13:48	1
<i>Phenol-d5</i>	50		31 - 110				04/30/15 07:19	05/04/15 13:48	1
<i>Terphenyl-d14</i>	72		36 - 134				04/30/15 07:19	05/04/15 13:48	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/30/15 09:35	05/01/15 04:54	1
Barium	0.10	J	0.50	0.050	mg/L		04/30/15 09:35	05/01/15 04:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/30/15 09:35	05/01/15 04:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/30/15 09:35	05/01/15 13:58	1
Chromium	0.028		0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:54	1
Cobalt	0.025	^	0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:54	1
Copper	<0.025		0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:54	1
Iron	1.2		0.20	0.20	mg/L		04/30/15 09:35	05/01/15 04:54	1
Lead	0.011		0.0075	0.0075	mg/L		04/30/15 09:35	05/01/15 04:54	1
Manganese	1.5		0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:54	1
Nickel	0.022	J	0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/30/15 09:35	05/01/15 04:54	1
Silver	<0.025		0.025	0.010	mg/L		04/30/15 09:35	05/01/15 04:54	1
Zinc	0.071	J ^	0.10	0.020	mg/L		04/30/15 09:35	05/01/15 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/30/15 15:50	05/01/15 15:10	1
Barium	<0.50		0.50	0.050	mg/L		04/30/15 15:50	05/01/15 15:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/30/15 15:50	05/01/15 15:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/30/15 15:50	05/01/15 15:10	1
Chromium	<0.025		0.025	0.010	mg/L		04/30/15 15:50	05/01/15 15:10	1
Cobalt	<0.025		0.025	0.010	mg/L		04/30/15 15:50	05/01/15 15:10	1
Copper	<0.025		0.025	0.010	mg/L		04/30/15 15:50	05/01/15 15:10	1
Iron	<0.20		0.20	0.20	mg/L		04/30/15 15:50	05/01/15 15:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/30/15 15:50	05/01/15 15:10	1
Manganese	0.023	J	0.025	0.010	mg/L		04/30/15 15:50	05/01/15 15:10	1
Nickel	<0.025		0.025	0.010	mg/L		04/30/15 15:50	05/01/15 15:10	1
Selenium	<0.050		0.050	0.020	mg/L		04/30/15 15:50	05/01/15 15:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Client Sample ID: US-1(5-11)-042715

Lab Sample ID: 500-95193-2

Date Collected: 04/27/15 08:10

Matrix: Solid

Date Received: 04/28/15 08:00

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		04/30/15 15:50	05/01/15 15:10	1
Zinc	0.049	J	0.10	0.020	mg/L		04/30/15 15:50	05/01/15 15:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Arsenic	1.6		0.52	0.24	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Barium	4.8		0.52	0.094	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Beryllium	0.14	J	0.21	0.045	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Cadmium	<0.10		0.10	0.030	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Calcium	39000		10	3.3	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Chromium	4.3		0.52	0.089	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Cobalt	2.2		0.26	0.058	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Copper	2.4		0.52	0.11	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Iron	4900		10	4.0	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Lead	3.4		0.26	0.13	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Magnesium	20000		5.2	2.1	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Manganese	190		0.52	0.10	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Nickel	3.7		0.52	0.14	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Potassium	380		26	4.2	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Sodium	240		52	6.8	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Thallium	0.42	J	0.52	0.25	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Vanadium	6.7		0.26	0.075	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	1
Zinc	14		1.0	0.33	mg/Kg	☼	04/29/15 09:50	04/30/15 14:56	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		04/30/15 11:30	05/01/15 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/30/15 11:30	05/01/15 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	7.3	J	17	6.1	ug/Kg	☼	04/29/15 14:00	04/30/15 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.80		0.200	0.200	SU			04/30/15 14:24	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 - Chicago - WO 023

TestAmerica Job ID: 500-95193-1

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	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING


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

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

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

Chain of Custody Record

Lab Job #: 500-95193
 Chain of Custody Number: _____
 Page 1 of 2
 Temperature °C of Cooler: 3.7

Client		Client Project #		Preservative		Parameter		Preservative Key		
<u>Weston Solutions</u>		<u>02056.014.023.0030</u>		<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	 500-95193 COC	
Project Name		Lab Project #		Matrix		Matrix		Comments		
<u>IDOT 023- NBI-SS Ramp to LSD</u>				<u>VOLS</u>	<u>SIOS</u>	<u>TOTAL METALS</u>	<u>TUP/SRP METALS</u>			
Project Location/State		Lab PM		Sampling		Sampling				
<u>Chicago, IL</u>		<u>D. Wright</u>		Date		Time				
Sampler		Matrix		Date		Time				
<u>M. Doheny-Skubic</u>		<u>2 S</u>		Date		Time				
Lab ID	MS/MSD	Sample ID	Date		Time					
<u>1</u>		<u>US-1(0-5)-042715</u>	<u>4-27-15</u>	<u>0735</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>US-1(5-11)-042715</u>		<u>0810</u>						
<u>3</u>		<u>US-2(0-5)-042715</u>		<u>0900</u>						
<u>4</u>		<u>US-2(5-11)-042715</u>		<u>0910</u>						
<u>5</u>		<u>US-3(0-5)-042715</u>		<u>0945</u>						
<u>6</u>		<u>US-3(5-12)-042715D</u>		<u>0955</u>						
<u>7</u>		<u>US-3(5-12)-042715</u>		<u>0955</u>						
<u>8</u>		<u>US-4(0-5)-042715</u>		<u>1030</u>						
<u>9</u>		<u>US-4(5-12)-042715</u>		<u>1035</u>						
<u>10</u>		<u>RR-1(0-5)-042715</u>	<u>4-27-15</u>	<u>1110</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	

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 <u>[Signature]</u>	Company <u>Weston</u>	Date <u>4-27-15</u>	Time <u>1511</u>	Received By <u>[Signature]</u>	Company <u>JAL</u>	Date <u>4-27-15</u>	Time <u>1511</u>
Relinquished By <u>[Signature]</u>	Company <u>JAL</u>	Date <u>4-27-15</u>	Time <u>1617</u>	Received By <u>[Signature]</u>	Company <u>JAL</u>	Date <u>04/27/15</u>	Time <u>1617</u>
Relinquished By <u>[Signature]</u>	Company <u>JAL</u>	Date _____	Time _____	Received By _____	Company _____	Date _____	Time _____

Lab Courier: _____
 Shipped: _____
 Hand Delivered: _____

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-95193
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: 3.7

Client		Client Project #		Preservative		Parameter		Matrix		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		
Project Name		Lab Project #		NOX		SVOCS		TOTAL METALS				
Project Location/State		Lab PM		S		S		S				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	NOX	SVOCS	TOTAL METALS	TELEPISPD METALS	pH	Comments
Weston Solutions		02056.014.023.0030		7		7		7		7		
IDOT 023 - NB I-55 Ramp to LSD												
Chicago, IL		D. Wright										
M. Oshery-Skubic												
11		RR-1(5-12)-042715	4/27/15	1125	2	S	X	X	X	X	X	
12		RR-1(12-13)-042715		1120								
13		RR-2(0-5)-042715		1305								
14		RR-2(5-12)-042715		1310								
15		ROW1-10(0-5)-042715		1335								
16		ROW1-10(5-12)-042715		1345								
17		ROW1-10(12-13)-042715		1347								
18		ROW1-10(12-13)-042715 ROW1-10(12-13)-042715		1347								
19		ROW1-10(0-5)-042715		1410								
20		ROW1-10(5-12)-042715	4/27/15	1415	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: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>4/27/15</u> Time: <u>1511</u>	Received By: <u>[Signature]</u> Company: <u>TAL</u> Date: <u>4/27/15</u> Time: <u>1511</u>
Relinquished By: <u>[Signature]</u> Company: <u>TAL</u> Date: <u>4/27/15</u> Time: <u>1617</u>	Received By: <u>[Signature]</u> Company: <u>TAL</u> Date: <u>4/27/15</u> Time: <u>1617</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: _____
 Shipped: _____
 Hand Delivered: _____

Matrix Key

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

Client Comments

Lab Comments:
