



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 372: IL 171 at Ridgewood and Forest Aves Office Phone Number, if available: _____

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

160 Ridgewood Road (Northwest corner of 1st Ave and Ridgewood Road Intersection)

City: Riverside 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: 41.828888336 Longitude: -87.829025517
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 372: IL 171 at Ridgewood and Forest Aves

Latitude: 41.828888336 Longitude: -87.829025517

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION HS-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2734-1. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-72196-1

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

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

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

Company Name: Illinois Department of Transportation

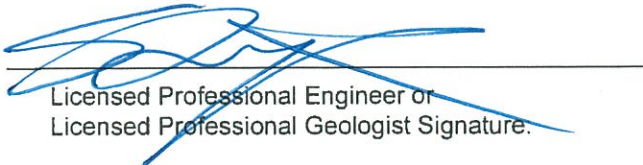
Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature.

5/9/14

Date:



L.P.G. Seal:

Summary Table of ISGS Site No. 2734-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illinois Route 171 (1st Avenue) at Ridgewood and Forest Avenues
Riverside and Brookfield, Cook County, Illinois

| Field Sample ID | HS-1(0-6)-022514 | Soil Reference Concentrations^A |
|-----------------------------|------------------|--|
| Sample Date | 2/25/2014 | |
| Location ID | HS-1 | |
| Depth | 0 - 6 | |
| Parameter | | |
| Laboratory pH (s.u.) | 8.44 | <6.25,>9.0 |
| VOCs | None Detected | |
| SVOCs | None Detected | |
| Total Metals (mg/kg) | | |
| Antimony, Total | 0.48 J | 5 |
| Arsenic, Total | 9.6 | 11.3 / 13 |
| Barium, Total | 43 | 1500 |
| Beryllium, Total | 0.74 | 22 |
| Cadmium, Total | 0.14 J | 5.2 |
| Calcium, Total | 33000 B | --- |
| Chromium, Total | 17 | 21 |
| Cobalt, Total | 15 J | 20 |
| Copper, Total | 27 | 2900 |
| Iron, Total | 20000 | 15000 / 15900 |
| Lead, Total | 17 | 107 |
| Magnesium, Total | 21000 J | 325000 |
| Manganese, Total | 460 | 630 / 636 |
| Mercury, Total | 0.029 | 0.89 |
| Nickel, Total | 37 | 100 |
| Potassium, Total | 2600 | --- |
| Sodium, Total | 400 | --- |
| Thallium, Total | 0.39 J | 2.6 |
| Vanadium, Total | 20 | 550 |
| Zinc, Total | 61 | 5100 |
| TCLP Metals (mg/l) | | |
| Barium, TCLP | 0.23 J | 2 |
| Copper, TCLP | 0.011 J | 0.65 |
| Iron, TCLP | 0.33 | 5 |
| Manganese, TCLP | 0.015 J | 0.15 |
| Mercury, TCLP | 0.000024 J | 0.002 |
| Zinc, TCLP | 0.17 B | 5 |
| SPLP Metals (mg/l) | | |
| Barium, SPLP | 0.47 J | 2 |
| Manganese, SPLP | 0.23 | 0.15 |
| Zinc, SPLP | 0.19 | 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.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-72196-1
Client Project/Site: IDOT - Riverside/Brookfield - 038

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/7/2014 8:02:18 AM

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.

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: HS-1(0-6)-022514

Lab Sample ID: 500-72196-16

Date Collected: 02/25/14 11:50

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 83.8

Method: 8260B - VOC

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| Acetone | <6.0 | | 6.0 | 2.6 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Benzene | <6.0 | | 6.0 | 0.82 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Bromodichloromethane | <6.0 | | 6.0 | 1.0 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Bromoform | <6.0 | | 6.0 | 1.4 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Bromomethane | <6.0 | | 6.0 | 1.8 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Carbon disulfide | <6.0 | | 6.0 | 0.89 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Carbon tetrachloride | <6.0 | | 6.0 | 1.1 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Chlorobenzene | <6.0 | | 6.0 | 0.60 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Chloroethane | <6.0 | | 6.0 | 1.6 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Chloroform | <6.0 | | 6.0 | 0.69 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Chloromethane | <6.0 | | 6.0 | 1.3 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| cis-1,2-Dichloroethene | <6.0 | | 6.0 | 0.84 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| cis-1,3-Dichloropropene | <6.0 | | 6.0 | 0.78 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Dibromochloromethane | <6.0 | | 6.0 | 1.0 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 1,1-Dichloroethane | <6.0 | | 6.0 | 0.94 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 1,2-Dichloroethane | <6.0 | | 6.0 | 0.88 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 1,1-Dichloroethene | <6.0 | | 6.0 | 0.96 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 1,2-Dichloropropane | <6.0 | | 6.0 | 0.91 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 1,3-Dichloropropene, Total | <6.0 | | 6.0 | 0.78 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Ethylbenzene | <6.0 | | 6.0 | 1.2 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 2-Hexanone | <6.0 | | 6.0 | 1.7 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Methylene Chloride | <6.0 | | 6.0 | 1.6 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Methyl Ethyl Ketone | <6.0 | | 6.0 | 2.2 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| methyl isobutyl ketone | <6.0 | | 6.0 | 1.6 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Methyl tert-butyl ether | <6.0 | | 6.0 | 0.99 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Styrene | <6.0 | | 6.0 | 0.78 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 1,1,2,2-Tetrachloroethane | <6.0 | | 6.0 | 1.2 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Tetrachloroethene | <6.0 | | 6.0 | 0.91 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Toluene | <6.0 | | 6.0 | 0.83 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| trans-1,2-Dichloroethene | <6.0 | | 6.0 | 0.82 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| trans-1,3-Dichloropropene | <6.0 | | 6.0 | 1.1 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 1,1,1-Trichloroethane | <6.0 | | 6.0 | 0.89 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| 1,1,2-Trichloroethane | <6.0 | | 6.0 | 0.81 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Trichloroethene | <6.0 | | 6.0 | 0.98 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Vinyl chloride | <6.0 | | 6.0 | 1.3 | ug/Kg | * | | 02/26/14 17:31 | 1 |
| Xylenes, Total | <12 | | 12 | 0.54 | ug/Kg | * | | 02/26/14 17:31 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 122 | | 02/26/14 17:31 | 1 |
| Dibromofluoromethane | 103 | | 75 - 120 | | 02/26/14 17:31 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 70 - 134 | | 02/26/14 17:31 | 1 |
| Toluene-d8 (Surr) | 100 | | 75 - 122 | | 02/26/14 17:31 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,2,4-Trichlorobenzene | <190 | | 190 | 41 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 1,2-Dichlorobenzene | <190 | | 190 | 45 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 1,3-Dichlorobenzene | <190 | | 190 | 43 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 1,4-Dichlorobenzene | <190 | | 190 | 49 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2,2'-oxybis[1-chloropropane] | <190 | | 190 | 44 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 22:07 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: HS-1(0-6)-022514

Lab Sample ID: 500-72196-16

Date Collected: 02/25/14 11:50

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 83.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | <380 | | 380 | 86 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2,4,6-Trichlorophenol | <380 | | 380 | 130 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2,4-Dichlorophenol | <380 | | 380 | 90 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2,4-Dimethylphenol | <380 | | 380 | 140 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2,4-Dinitrophenol | <760 | | 760 | 670 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2,4-Dinitrotoluene | <190 | | 190 | 60 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2,6-Dinitrotoluene | <190 | | 190 | 74 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2-Chloronaphthalene | <190 | | 190 | 42 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2-Chlorophenol | <190 | | 190 | 65 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2-Methylnaphthalene | <38 | | 38 | 7.0 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2-Methylphenol | <190 | | 190 | 61 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2-Nitroaniline | <190 | | 190 | 51 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2-Nitrophenol | <380 | | 380 | 90 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 3 & 4 Methylphenol | <190 | | 190 | 63 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 3,3'-Dichlorobenzidine | <190 | | 190 | 53 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 3-Nitroaniline | <380 | | 380 | 120 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 4,6-Dinitro-2-methylphenol | <380 | | 380 | 300 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 4-Bromophenyl phenyl ether | <190 | | 190 | 50 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 4-Chloro-3-methylphenol | <380 | | 380 | 130 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 4-Chloroaniline | <760 | | 760 | 180 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 4-Chlorophenyl phenyl ether | <190 | | 190 | 44 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 4-Nitroaniline | <380 | | 380 | 160 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 4-Nitrophenol | <760 | | 760 | 360 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Acenaphthene | <38 | | 38 | 6.8 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Acenaphthylene | <38 | | 38 | 5.0 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Anthracene | <38 | | 38 | 6.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Benzo[a]anthracene | <38 | | 38 | 5.1 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Benzo[a]pyrene | <38 | | 38 | 7.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Benzo[b]fluoranthene | <38 | | 38 | 8.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Benzo[g,h,i]perylene | <38 | | 38 | 12 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Benzo[k]fluoranthene | <38 | | 38 | 11 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Bis(2-chloroethoxy)methane | <190 | | 190 | 39 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Bis(2-chloroethyl)ether | <190 | | 190 | 57 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Bis(2-ethylhexyl) phthalate | <190 | | 190 | 69 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Butyl benzyl phthalate | <190 | | 190 | 72 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Carbazole | <190 | | 190 | 98 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Chrysene | <38 | | 38 | 10 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Dibenz(a,h)anthracene | <38 | | 38 | 7.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Dibenzofuran | <190 | | 190 | 44 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Diethyl phthalate | <190 | | 190 | 64 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Dimethyl phthalate | <190 | | 190 | 50 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Di-n-butyl phthalate | <190 | * | 190 | 58 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Di-n-octyl phthalate | <190 | | 190 | 62 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Fluoranthene | <38 | | 38 | 7.0 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Fluorene | <38 | | 38 | 5.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Hexachlorobenzene | <76 | | 76 | 8.8 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Hexachlorobutadiene | <190 | | 190 | 60 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Hexachlorocyclopentadiene | <760 | | 760 | 220 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Hexachloroethane | <190 | | 190 | 58 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: HS-1(0-6)-022514

Lab Sample ID: 500-72196-16

Date Collected: 02/25/14 11:50

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 83.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Indeno[1,2,3-cd]pyrene | <38 | | 38 | 9.8 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Isophorone | <190 | | 190 | 43 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Naphthalene | <38 | | 38 | 5.8 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Nitrobenzene | <38 | | 38 | 9.5 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| N-Nitrosodi-n-propylamine | <190 | | 190 | 46 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| N-Nitrosodiphenylamine | <190 * | | 190 | 45 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Pentachlorophenol | <760 | | 760 | 610 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Phenanthrene | <38 | | 38 | 5.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Phenol | <190 | | 190 | 84 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Pyrene | <38 | | 38 | 7.5 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol | 97 | | 35 - 137 | | | | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2-Fluorobiphenyl | 53 | | 25 - 119 | | | | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| 2-Fluorophenol | 67 | | 25 - 110 | | | | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Nitrobenzene-d5 | 45 | | 25 - 115 | | | | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Phenol-d5 | 49 | | 31 - 110 | | | | 02/26/14 06:50 | 02/26/14 22:07 | 1 |
| Terphenyl-d14 | 140 X | | 36 - 134 | | | | 02/26/14 06:50 | 02/26/14 22:07 | 1 |

Method: 6010B - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Arsenic | <0.050 | | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Barium | 0.23 | J | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Chromium | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Copper | 0.011 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Iron | 0.33 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Lead | <0.0075 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Manganese | 0.015 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Nickel | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Selenium | <0.050 | | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Silver | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 1 |
| Zinc | 0.17 | B | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 19:28 | 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 | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Barium | 0.47 | J | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Chromium | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Copper | 0.020 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Iron | <0.20 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Lead | <0.0075 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Manganese | 0.23 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Nickel | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Selenium | 0.013 | J B | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: HS-1(0-6)-022514

Lab Sample ID: 500-72196-16

Date Collected: 02/25/14 11:50

Matrix: Solid

Date Received: 02/26/14 06:30

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 | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |
| Zinc | 0.19 | | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 22:13 | 1 |

Method: 6010B - Total Metals

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Antimony | 0.48 | J | 1.2 | 0.47 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Arsenic | 9.6 | | 0.59 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Barium | 43 | | 0.59 | 0.063 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Beryllium | 0.74 | | 0.23 | 0.047 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Cadmium | 0.14 | | 0.12 | 0.015 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Calcium | 33000 | B | 12 | 3.2 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Chromium | 17 | | 0.59 | 0.068 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Cobalt | 15 | | 0.29 | 0.059 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Copper | 27 | | 0.59 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Iron | 20000 | | 12 | 4.8 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Lead | 17 | | 0.29 | 0.087 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Magnesium | 21000 | B | 5.9 | 1.2 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Manganese | 460 | | 0.59 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Nickel | 37 | | 0.59 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Potassium | 2600 | | 29 | 1.8 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Selenium | <0.59 | | 0.59 | 0.21 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Silver | <0.29 | | 0.29 | 0.021 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Sodium | 400 | | 59 | 7.9 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Thallium | 0.39 | J | 0.59 | 0.25 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Vanadium | 20 | | 0.29 | 0.043 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |
| Zinc | 61 | | 1.2 | 0.24 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 02:04 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | 0.024 | J | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 11:36 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | <0.20 | | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 12:42 | 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 | 29 | | 19 | 7.4 | ug/Kg | ☼ | 02/26/14 16:00 | 02/27/14 11:41 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| pH | 8.44 | | 0.200 | 0.200 | SU | | | 02/28/14 11:29 | 1 |

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|-------------------------------------|
| X | Surrogate is outside control limits |

GC/MS Semi VOA

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

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| B | Compound was found in the blank and sample. |
| F3 | Duplicate RPD exceeds the control limit |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1 | MS and/or MSD Recovery exceeds the control limits |

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 |
| 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 - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

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 | 04-30-14 |

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 ENVIRONMI

2417 Bond Street, University Park
Phone: 708.534.5200 Fax:



500-72196 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-72196
Chain of Custody Number: _____
Page 1 of 3
Temperature °C of Cooler: (2.4) (2.7)

| Client | | Client Project # | | Preservative | | Parameter | | Matrix | | Comments | | |
|--|--------|---------------------|---------|-----------------|-----------------|-----------|------|--------------|--------------|---|----|----------|
| Weston Solutions Inc. | | 02056.013.0288.0020 | | | | | | | | 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 # | | # of Containers | | Matrix | | VOCs | | SNOCS | | |
| 1 DOT 0288 - IL 171 (1st Ave) at Forest Ave. | | | | | | | | TOTAL METALS | | TCP/SP/ METALS | | |
| Project Location/State | | Lab PM | | Date | | Time | | pH | | | | |
| Riverside/Brookfield, IL | | D. Weight | | | | | | | | | | |
| Sampler | | M. Osheny-Skubic | | | | | | | | | | |
| Lab ID | MS/MSD | Sample ID | Date | Time | # of Containers | Matrix | VOCs | SNOCS | TOTAL METALS | TCP/SP/ METALS | pH | Comments |
| 1 | | ZW-1(0-4.5)-022514 | 2-25-14 | 0820 | 2 | S | X | X | X | X | X | |
| 2 | | ZW-1(0-4.5)-022514D | 2-25-14 | 0820 | 2 | S | X | X | X | X | X | |
| 3 | | ZW-2(0-4)-022514 | 2-25-14 | 0850 | 2 | S | X | X | X | X | X | |
| 4 | | ZW-2(4-8)-022514 | 2-25-14 | 0855 | 2 | S | X | X | X | X | X | |
| 5 | | ZW-2(8-13)-022514 | 2-25-14 | 0900 | 2 | S | X | X | X | X | X | |
| 6 | | ZW-3(0-6)-022514 | 2-25-14 | 0930 | 2 | S | X | X | X | X | X | |
| 7 | | ZW-5(0-0.5)-022514 | 2-25-14 | 0945 | 2 | S | X | X | X | X | X | |
| 8 | | ZW-4(0-4)-022514 | 2-25-14 | 1020 | 2 | S | X | X | X | X | X | |
| 9 | | ZW-4(4-8)-022514 | 2-25-14 | 1025 | 2 | S | X | X | X | X | X | |
| 10 | | ZW-4(8-13)-022514 | 2-25-14 | 1030 | 2 | S | X | X | X | X | X | |

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Send 40 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>2-25-2014</u> Time: <u>1520</u> | Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2-25-14</u> Time: <u>1530</u> | Lab Courier: <u>TA</u> |
| Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2-25-14</u> Time: <u>1615</u> | Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2/26/14</u> Time: <u>0630</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:

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: 750 E. Bunker Ct. Ste. 500
Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-72196
Chain of Custody Number: _____
Page 2 of 3
Temperature °C of Cooler: _____

| Client | | Client Project # | | Preservative | | Parameter | | Matrix | | Comments | |
|--|--------|--------------------|---------|-----------------|-----------------|-----------|------|--------|--------------|---|----|
| Weston Solutions Inc | | 02086.013.038.0020 | | | | | | | | 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 # | | # of Containers | | Matrix | | | | | |
| IDOT 038-IL171 (1st AVE) AT FOREST AVE | | | | | | | | | | | |
| Project Location/State | | Lab PM | | | | | | | | | |
| Riverside/Brookfield, IL | | D. Wright | | | | | | | | | |
| Sampler | | | | | | | | | | | |
| M. O'Henry-Skubic | | | | | | | | | | | |
| Lab ID | MS/MSD | Sample ID | Date | Time | # of Containers | Matrix | VOCS | SVOCs | TOTAL METALS | TCUP/SLUP METALS | pH |
| 11 | | HS-4(0-4)-022514 | 2-25-14 | 1045 | 2 | S | X | X | X | X | X |
| 12 | | HS-4(4-8)-022514 | 2-25-14 | 1050 | 2 | S | X | X | X | X | X |
| 13 | | HS-4(4-8)-022514D | 2-25-14 | 1050 | 2 | S | X | X | X | X | X |
| 14 | | HS-3(0-6)-022514 | 2-25-14 | 1120 | 2 | S | X | X | X | X | X |
| 15 | | HS-2(0-6)-022514 | 2-25-14 | 1140 | 2 | S | X | X | X | X | X |
| 16 | | HS-1(0-6)-022514 | 2-25-14 | 1150 | 2 | S | X | X | X | X | X |
| 17 | | RE-1(0-4)-022514 | 2-25-14 | 1245 | 2 | S | X | X | X | X | X |
| 18 | | RE-1(4-8)-022514 | 2-25-14 | 1250 | 2 | S | X | X | X | X | X |
| 19 | | RE-1(8-13)-022514 | 2-25-14 | 1255 | 2 | S | X | X | X | X | X |
| 20 | | RE-2(0-0.5)-022514 | 2-25-14 | 1315 | 2 | S | X | X | X | X | X |

Turnaround Time Required (Business Days)

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

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>2-25-2014</u> | Time: <u>1520</u> | Received By: <u>[Signature]</u> | Company: <u>TA</u> | Date: <u>2-25-14</u> | Time: <u>1520</u> |
| Relinquished By: <u>[Signature]</u> | Company: <u>TA</u> | Date: <u>2-25-14</u> | Time: <u>1613</u> | Received By: <u>[Signature]</u> | Company: <u>TA</u> | Date: <u>2/26/14</u> | Time: <u>0630</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:



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 372: IL 171 at Ridgewood and Forest Aves Office Phone Number, if available: _____

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

100 block of Forest Avenue (Northeast and Southeast corners of 1st Ave and Forest Avenue Intersection)

City: Riverside 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: 41.827214010 Longitude: -87.828676637
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 372: IL 171 at Ridgewood and Forest Aves

Latitude: 41.827214010 Longitude: -87.828676637

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 ZW-1 AND ZW-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2734-2. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-72196-1

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

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

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

Company Name: Illinois Department of Transportation

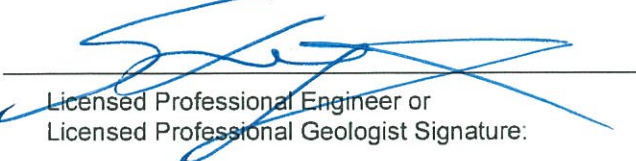
Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

5/9/14
 Date:



Summary Table of ISGS Site No. 2734-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illinois Route 171 (1st Avenue) at Ridgewood and Forest Avenues
Riverside and Brookfield, Cook County, Illinois

| Field Sample ID | ZW-1(0-4.5)-022514 | ZW-1(0-4.5)-022514D | ZW-3(0-6)-022514 | Soil Reference Concentrations ^A |
|-----------------------------|--------------------|---------------------|------------------|--|
| Sample Date | 2/25/2014 | 2/25/2014 | 2/25/2014 | |
| Location ID | ZW-1 | ZW-1 | ZW-3 | |
| Depth | 0 - 4.5 | 0 - 4.5 | 0 - 6 | |
| Parameter | | | | |
| Laboratory pH (s.u.) | 8.23 | 8.27 | 8.4 | <6.25,>9.0 |
| VOCs | None Detected | | | |
| SVOCs (ug/kg) | | | | |
| Anthracene | 25 J | 24 J | ND | 1.20E+07 |
| Benzo(a)anthracene | 52 | 50 | 19 J | 900 / 1100 / 1800 |
| Benzo(a)pyrene | 55 | 54 | 17 J | 90 / 1300 / 2100 |
| Benzo(b)fluoranthene | 82 | 85 | 22 J | 900 / 1500 / 2100 |
| Benzo(g,h,i)perylene | 62 | 59 | 15 J | 2300000 |
| Benzo(k)fluoranthene | 31 J | 23 J | ND | 9000 |
| bis(2-Ethylhexyl)phthalate | 220 J- | 71 J | ND | 46000 |
| Chrysene | 65 | 63 | 23 J | 88000 |
| Dibenzo(a,h)anthracene | 15 J | 14 J | ND | 90 / 200 / 420 |
| Fluoranthene | 110 J+ | 110 J+ | 31 J | 3100000 |
| Indeno(1,2,3-cd)pyrene | 48 | 43 | 12 J | 900 / 900 / 1600 |
| Phenanthrene | 55 | 53 | 33 J | 210000 |
| Pyrene | 96 J+ | 87 J+ | 26 J | 2300000 |
| Total Metals (mg/kg) | | | | |
| Antimony, Total | 0.73 J | 0.59 J | ND | 5 |
| Arsenic, Total | 3.3 | 2.7 | 9.8 | 11.3 / 13 |
| Barium, Total | 41 | 34 | 54 | 1500 |
| Beryllium, Total | 0.31 | 0.28 | 0.83 | 22 |
| Cadmium, Total | 0.26 J | 0.21 J | 0.2 J | 5.2 |
| Calcium, Total | 150000 B | 160000 B | 13000 B | --- |
| Chromium, Total | 9.9 | 7 | 19 | 21 |
| Cobalt, Total | 3.8 J | 3.6 J | 14 J | 20 |
| Copper, Total | 14 | 8.6 | 26 | 2900 |
| Iron, Total | 7100 | 5500 | 30000 | 15000 / 15900 |
| Lead, Total | 16 | 10 | 23 | 107 |
| Magnesium, Total | 93000 J | 97000 J | 11000 J | 325000 |
| Manganese, Total | 240 | 220 | 360 | 630 / 636 |
| Mercury, Total | 0.021 | 0.031 | 0.63 | 0.89 |
| Nickel, Total | 8.4 | 6.8 | 31 | 100 |
| Potassium, Total | 1100 | 1000 | 2500 | --- |
| Sodium, Total | 400 | 330 | 270 | --- |
| Thallium, Total | ND | ND | 0.54 J | 2.6 |
| Vanadium, Total | 11 | 9.2 | 23 | 550 |
| Zinc, Total | 51 | 36 | 170 | 5100 |
| TCLP Metals (mg/l) | | | | |
| Barium, TCLP | 0.32 J | 0.28 J | 0.32 J | 2 |
| Chromium, TCLP | 0.012 J | ND | ND | 0.1 |
| Copper, TCLP | 0.019 J | 0.023 J | 0.028 | 0.65 |
| Iron, TCLP | 0.82 | 0.69 | 2.6 | 5 |
| Lead, TCLP | 0.011 | 0.0086 | 0.031 | 0.0075 |
| Manganese, TCLP | 0.11 | 0.08 | 0.14 | 0.15 |
| Mercury, TCLP | ND | 0.000037 J | 0.00014 J | 0.002 |
| Zinc, TCLP | 0.26 B | 0.24 B | 0.23 B | 5 |
| SPLP Metals (mg/l) | | | | |
| Barium, SPLP | 0.52 | 0.43 J | 0.53 | 2 |
| Manganese, SPLP | 0.66 | 0.72 | 0.66 | 0.15 |
| Zinc, SPLP | ND | ND | 0.27 | 5 |

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration biased high.

J- - Estimated concentration biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-72196-1
Client Project/Site: IDOT - Riverside/Brookfield - 038

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/7/2014 8:02:18 AM

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 - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-1(0-4.5)-022514

Lab Sample ID: 500-72196-1

Date Collected: 02/25/14 08:20

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 85.7

Method: 8260B - VOC

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| Acetone | <5.8 | | 5.8 | 2.5 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Benzene | <5.8 | | 5.8 | 0.80 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Bromodichloromethane | <5.8 | | 5.8 | 1.0 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Bromoform | <5.8 | | 5.8 | 1.3 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Bromomethane | <5.8 | | 5.8 | 1.8 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Carbon disulfide | <5.8 | | 5.8 | 0.87 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Carbon tetrachloride | <5.8 | | 5.8 | 1.1 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Chlorobenzene | <5.8 | | 5.8 | 0.59 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Chloroethane | <5.8 | | 5.8 | 1.6 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Chloroform | <5.8 | | 5.8 | 0.67 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Chloromethane | <5.8 | | 5.8 | 1.2 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| cis-1,2-Dichloroethene | <5.8 | | 5.8 | 0.82 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| cis-1,3-Dichloropropene | <5.8 | | 5.8 | 0.77 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Dibromochloromethane | <5.8 | | 5.8 | 1.0 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 1,1-Dichloroethane | <5.8 | | 5.8 | 0.92 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 1,2-Dichloroethane | <5.8 | | 5.8 | 0.86 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 1,1-Dichloroethene | <5.8 | | 5.8 | 0.94 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 1,2-Dichloropropane | <5.8 | | 5.8 | 0.89 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 1,3-Dichloropropene, Total | <5.8 | | 5.8 | 0.77 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Ethylbenzene | <5.8 | | 5.8 | 1.2 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 2-Hexanone | <5.8 | | 5.8 | 1.7 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Methylene Chloride | <5.8 | | 5.8 | 1.6 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Methyl Ethyl Ketone | <5.8 | | 5.8 | 2.1 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| methyl isobutyl ketone | <5.8 | | 5.8 | 1.5 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Methyl tert-butyl ether | <5.8 | | 5.8 | 0.96 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Styrene | <5.8 | | 5.8 | 0.77 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 1,1,1,2-Tetrachloroethane | <5.8 | | 5.8 | 1.2 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Tetrachloroethene | <5.8 | | 5.8 | 0.89 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Toluene | <5.8 | | 5.8 | 0.82 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| trans-1,2-Dichloroethene | <5.8 | | 5.8 | 0.80 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| trans-1,3-Dichloropropene | <5.8 | | 5.8 | 1.0 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 1,1,1-Trichloroethane | <5.8 | | 5.8 | 0.87 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| 1,1,2-Trichloroethane | <5.8 | | 5.8 | 0.80 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Trichloroethene | <5.8 | | 5.8 | 0.96 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Vinyl chloride | <5.8 | | 5.8 | 1.2 | ug/Kg | * | | 02/26/14 11:49 | 1 |
| Xylenes, Total | <12 | | 12 | 0.53 | ug/Kg | * | | 02/26/14 11:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 122 | | 02/26/14 11:49 | 1 |
| Dibromofluoromethane | 99 | | 75 - 120 | | 02/26/14 11:49 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 134 | | 02/26/14 11:49 | 1 |
| Toluene-d8 (Surr) | 109 | | 75 - 122 | | 02/26/14 11:49 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,2,4-Trichlorobenzene | <190 | | 190 | 40 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 1,2-Dichlorobenzene | <190 | | 190 | 45 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 1,3-Dichlorobenzene | <190 | | 190 | 42 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 1,4-Dichlorobenzene | <190 | | 190 | 48 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2,2'-oxybis[1-chloropropane] | <190 | | 190 | 44 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:41 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-1(0-4.5)-022514

Lab Sample ID: 500-72196-1

Date Collected: 02/25/14 08:20

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 85.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | <370 | | 370 | 86 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2,4,6-Trichlorophenol | <370 | | 370 | 130 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2,4-Dichlorophenol | <370 | | 370 | 89 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2,4-Dimethylphenol | <370 | | 370 | 140 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2,4-Dinitrophenol | <760 | | 760 | 660 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2,4-Dinitrotoluene | <190 | | 190 | 60 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2,6-Dinitrotoluene | <190 | | 190 | 74 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2-Chloronaphthalene | <190 | | 190 | 41 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2-Chlorophenol | <190 | | 190 | 64 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2-Methylnaphthalene | <37 | | 37 | 6.9 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2-Methylphenol | <190 | | 190 | 60 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2-Nitroaniline | <190 | | 190 | 51 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2-Nitrophenol | <370 | | 370 | 89 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 3 & 4 Methylphenol | <190 | | 190 | 63 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 3,3'-Dichlorobenzidine | <190 | | 190 | 53 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 3-Nitroaniline | <370 | | 370 | 120 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 4,6-Dinitro-2-methylphenol | <370 | | 370 | 300 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 4-Bromophenyl phenyl ether | <190 | | 190 | 50 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 4-Chloro-3-methylphenol | <370 | | 370 | 130 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 4-Chloroaniline | <760 | | 760 | 180 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 4-Chlorophenyl phenyl ether | <190 | | 190 | 44 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 4-Nitroaniline | <370 | | 370 | 160 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 4-Nitrophenol | <760 | | 760 | 360 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Acenaphthene | <37 | | 37 | 6.7 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Acenaphthylene | <37 | | 37 | 5.0 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Anthracene | 25 | J | 37 | 6.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Benzo[a]anthracene | 52 | | 37 | 5.1 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Benzo[a]pyrene | 55 | | 37 | 7.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Benzo[b]fluoranthene | 82 | | 37 | 8.1 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Benzo[g,h,i]perylene | 62 | | 37 | 12 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Benzo[k]fluoranthene | 31 | J | 37 | 11 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Bis(2-chloroethoxy)methane | <190 | | 190 | 38 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Bis(2-chloroethyl)ether | <190 | | 190 | 56 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Bis(2-ethylhexyl) phthalate | 220 | | 190 | 69 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Butyl benzyl phthalate | <190 | | 190 | 71 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Carbazole | <190 | | 190 | 97 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Chrysene | 65 | | 37 | 10 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Dibenz(a,h)anthracene | 15 | J | 37 | 7.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Dibenzofuran | <190 | | 190 | 44 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Diethyl phthalate | <190 | | 190 | 64 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Dimethyl phthalate | <190 | | 190 | 49 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Di-n-butyl phthalate | <190 | * | 190 | 57 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Di-n-octyl phthalate | <190 | | 190 | 61 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Fluoranthene | 110 | | 37 | 7.0 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Fluorene | <37 | | 37 | 5.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Hexachlorobenzene | <76 | | 76 | 8.7 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Hexachlorobutadiene | <190 | | 190 | 59 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Hexachlorocyclopentadiene | <760 | | 760 | 220 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Hexachloroethane | <190 | | 190 | 57 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-1(0-4.5)-022514

Lab Sample ID: 500-72196-1

Date Collected: 02/25/14 08:20

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 85.7

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 | 48 | | 37 | 9.7 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Isophorone | <190 | | 190 | 42 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Naphthalene | <37 | | 37 | 5.8 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Nitrobenzene | <37 | | 37 | 9.4 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| N-Nitrosodi-n-propylamine | <190 | | 190 | 46 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| N-Nitrosodiphenylamine | <190 * | | 190 | 44 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Pentachlorophenol | <760 | | 760 | 600 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Phenanthrene | 55 | | 37 | 5.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Phenol | <190 | | 190 | 83 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Pyrene | 96 | | 37 | 7.5 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol | 104 | | 35 - 137 | | | | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2-Fluorobiphenyl | 69 | | 25 - 119 | | | | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| 2-Fluorophenol | 77 | | 25 - 110 | | | | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Nitrobenzene-d5 | 62 | | 25 - 115 | | | | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Phenol-d5 | 58 | | 31 - 110 | | | | 02/26/14 06:50 | 02/26/14 17:41 | 1 |
| Terphenyl-d14 | 110 | | 36 - 134 | | | | 02/26/14 06:50 | 02/26/14 17:41 | 1 |

Method: 6010B - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Arsenic | <0.050 | | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Barium | 0.32 | J | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Chromium | 0.012 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Copper | 0.019 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Iron | 0.82 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Lead | 0.011 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Manganese | 0.11 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Nickel | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Selenium | <0.050 | | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Silver | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 1 |
| Zinc | 0.26 | B | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 18:21 | 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 | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Barium | 0.52 | | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Chromium | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Copper | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Iron | <0.20 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Lead | <0.0075 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Manganese | 0.66 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Nickel | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Selenium | 0.018 | J B | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-1(0-4.5)-022514

Lab Sample ID: 500-72196-1

Date Collected: 02/25/14 08:20

Matrix: Solid

Date Received: 02/26/14 06:30

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 | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |
| Zinc | 0.095 | J | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 20:32 | 1 |

Method: 6010B - Total Metals

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Antimony | 0.73 | J | 1.1 | 0.44 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Arsenic | 3.3 | | 0.55 | 0.11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Barium | 41 | | 0.55 | 0.058 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Beryllium | 0.31 | | 0.22 | 0.044 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Cadmium | 0.26 | | 0.11 | 0.014 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Calcium | 150000 | B | 110 | 30 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 11:39 | 10 |
| Chromium | 9.9 | | 0.55 | 0.063 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Cobalt | 3.8 | | 0.27 | 0.055 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Copper | 14 | | 0.55 | 0.11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Iron | 7100 | | 11 | 4.5 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Lead | 16 | | 0.27 | 0.081 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Magnesium | 93000 | B | 55 | 11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 11:39 | 10 |
| Manganese | 240 | | 0.55 | 0.11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Nickel | 8.4 | | 0.55 | 0.11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Potassium | 1100 | | 27 | 1.6 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Selenium | <0.55 | | 0.55 | 0.19 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Silver | <0.27 | | 0.27 | 0.020 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Sodium | 400 | | 55 | 7.3 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Thallium | <0.55 | | 0.55 | 0.23 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Vanadium | 11 | | 0.27 | 0.040 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |
| Zinc | 51 | | 1.1 | 0.22 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:35 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | <0.20 | | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 10:55 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | <0.20 | | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 11:58 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 21 | | 19 | 7.5 | ug/Kg | ☼ | 02/26/14 16:00 | 02/27/14 10:57 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| pH | 8.23 | | 0.200 | 0.200 | SU | | | 02/28/14 10:55 | 1 |

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-1(0-4.5)-022514D

Lab Sample ID: 500-72196-2

Date Collected: 02/25/14 08:20

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 88.4

Method: 8260B - VOC

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| Acetone | <5.7 | | 5.7 | 2.4 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Benzene | <5.7 | | 5.7 | 0.78 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Bromodichloromethane | <5.7 | | 5.7 | 0.97 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Bromoform | <5.7 | | 5.7 | 1.3 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Bromomethane | <5.7 | | 5.7 | 1.7 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Carbon disulfide | <5.7 | | 5.7 | 0.85 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Carbon tetrachloride | <5.7 | | 5.7 | 1.0 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Chlorobenzene | <5.7 | | 5.7 | 0.57 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Chloroethane | <5.7 | | 5.7 | 1.5 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Chloroform | <5.7 | | 5.7 | 0.65 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Chloromethane | <5.7 | | 5.7 | 1.2 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| cis-1,2-Dichloroethene | <5.7 | | 5.7 | 0.80 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| cis-1,3-Dichloropropene | <5.7 | | 5.7 | 0.74 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Dibromochloromethane | <5.7 | | 5.7 | 0.98 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 1,1-Dichloroethane | <5.7 | | 5.7 | 0.90 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 1,2-Dichloroethane | <5.7 | | 5.7 | 0.84 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 1,1,1-Dichloroethene | <5.7 | | 5.7 | 0.91 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 1,2-Dichloropropane | <5.7 | | 5.7 | 0.86 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 1,3-Dichloropropene, Total | <5.7 | | 5.7 | 0.74 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Ethylbenzene | <5.7 | | 5.7 | 1.1 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 2-Hexanone | <5.7 | | 5.7 | 1.6 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Methylene Chloride | <5.7 | | 5.7 | 1.5 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Methyl Ethyl Ketone | <5.7 | | 5.7 | 2.0 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| methyl isobutyl ketone | <5.7 | | 5.7 | 1.5 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Methyl tert-butyl ether | <5.7 | | 5.7 | 0.93 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Styrene | <5.7 | | 5.7 | 0.74 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 1,1,1,2-Tetrachloroethane | <5.7 | | 5.7 | 1.1 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Tetrachloroethene | <5.7 | | 5.7 | 0.86 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Toluene | <5.7 | | 5.7 | 0.79 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| trans-1,2-Dichloroethene | <5.7 | | 5.7 | 0.78 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| trans-1,3-Dichloropropene | <5.7 | | 5.7 | 1.0 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 1,1,1-Trichloroethane | <5.7 | | 5.7 | 0.85 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| 1,1,2-Trichloroethane | <5.7 | | 5.7 | 0.77 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Trichloroethene | <5.7 | | 5.7 | 0.93 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Vinyl chloride | <5.7 | | 5.7 | 1.2 | ug/Kg | * | | 02/26/14 12:12 | 1 |
| Xylenes, Total | <11 | | 11 | 0.51 | ug/Kg | * | | 02/26/14 12:12 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107 | | 70 - 122 | | 02/26/14 12:12 | 1 |
| Dibromofluoromethane | 103 | | 75 - 120 | | 02/26/14 12:12 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 91 | | 70 - 134 | | 02/26/14 12:12 | 1 |
| Toluene-d8 (Surr) | 109 | | 75 - 122 | | 02/26/14 12:12 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,2,4-Trichlorobenzene | <190 | | 190 | 40 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 1,2-Dichlorobenzene | <190 | | 190 | 44 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 1,3-Dichlorobenzene | <190 | | 190 | 42 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 1,4-Dichlorobenzene | <190 | | 190 | 47 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2,2'-oxybis[1-chloropropane] | <190 | | 190 | 43 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 17:59 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-1(0-4.5)-022514D

Lab Sample ID: 500-72196-2

Date Collected: 02/25/14 08:20

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 88.4

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | <370 | | 370 | 84 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2,4,6-Trichlorophenol | <370 | | 370 | 130 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2,4-Dichlorophenol | <370 | | 370 | 88 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2,4-Dimethylphenol | <370 | | 370 | 140 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2,4-Dinitrophenol | <750 | | 750 | 650 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2,4-Dinitrotoluene | <190 | | 190 | 59 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2,6-Dinitrotoluene | <190 | | 190 | 73 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2-Chloronaphthalene | <190 | | 190 | 41 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2-Chlorophenol | <190 | | 190 | 63 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2-Methylnaphthalene | <37 | | 37 | 6.8 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2-Methylphenol | <190 | | 190 | 59 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2-Nitroaniline | <190 | | 190 | 50 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2-Nitrophenol | <370 | | 370 | 87 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 3 & 4 Methylphenol | <190 | | 190 | 62 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 3,3'-Dichlorobenzidine | <190 | | 190 | 52 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 3-Nitroaniline | <370 | | 370 | 110 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 4,6-Dinitro-2-methylphenol | <370 | | 370 | 300 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 4-Bromophenyl phenyl ether | <190 | | 190 | 49 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 4-Chloro-3-methylphenol | <370 | | 370 | 130 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 4-Chloroaniline | <750 | | 750 | 170 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 4-Chlorophenyl phenyl ether | <190 | | 190 | 43 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 4-Nitroaniline | <370 | | 370 | 150 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 4-Nitrophenol | <750 | | 750 | 350 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Acenaphthene | <37 | | 37 | 6.6 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Acenaphthylene | <37 | | 37 | 4.9 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Anthracene | 24 | J | 37 | 6.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Benzo[a]anthracene | 50 | | 37 | 5.0 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Benzo[a]pyrene | 54 | | 37 | 7.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Benzo[b]fluoranthene | 85 | | 37 | 8.0 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Benzo[g,h,i]perylene | 59 | | 37 | 12 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Benzo[k]fluoranthene | 23 | J | 37 | 11 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Bis(2-chloroethoxy)methane | <190 | | 190 | 38 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Bis(2-chloroethyl)ether | <190 | | 190 | 55 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Bis(2-ethylhexyl) phthalate | 71 | J | 190 | 68 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Butyl benzyl phthalate | <190 | | 190 | 70 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Carbazole | <190 | | 190 | 96 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Chrysene | 63 | | 37 | 10 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Dibenz(a,h)anthracene | 14 | J | 37 | 7.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Dibenzofuran | <190 | | 190 | 43 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Diethyl phthalate | <190 | | 190 | 63 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Dimethyl phthalate | <190 | | 190 | 48 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Di-n-butyl phthalate | <190 | * | 190 | 56 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Di-n-octyl phthalate | <190 | | 190 | 60 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Fluoranthene | 110 | | 37 | 6.9 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Fluorene | <37 | | 37 | 5.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Hexachlorobenzene | <75 | | 75 | 8.6 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Hexachlorobutadiene | <190 | | 190 | 58 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Hexachlorocyclopentadiene | <750 | | 750 | 210 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Hexachloroethane | <190 | | 190 | 56 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-1(0-4.5)-022514D

Lab Sample ID: 500-72196-2

Date Collected: 02/25/14 08:20

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 88.4

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 | 43 | | 37 | 9.6 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Isophorone | <190 | | 190 | 42 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Naphthalene | <37 | | 37 | 5.7 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Nitrobenzene | <37 | | 37 | 9.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| N-Nitrosodi-n-propylamine | <190 | | 190 | 45 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| N-Nitrosodiphenylamine | <190 * | | 190 | 44 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Pentachlorophenol | <750 | | 750 | 590 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Phenanthrene | 53 | | 37 | 5.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Phenol | <190 | | 190 | 82 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Pyrene | 87 | | 37 | 7.4 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol | 102 | | 35 - 137 | | | | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2-Fluorobiphenyl | 65 | | 25 - 119 | | | | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| 2-Fluorophenol | 72 | | 25 - 110 | | | | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Nitrobenzene-d5 | 59 | | 25 - 115 | | | | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Phenol-d5 | 57 | | 31 - 110 | | | | 02/26/14 06:50 | 02/26/14 17:59 | 1 |
| Terphenyl-d14 | 96 | | 36 - 134 | | | | 02/26/14 06:50 | 02/26/14 17:59 | 1 |

Method: 6010B - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Arsenic | <0.050 | | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Barium | 0.28 | J | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Chromium | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Copper | 0.023 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Iron | 0.69 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Lead | 0.0086 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Manganese | 0.080 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Nickel | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Selenium | <0.050 | | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Silver | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 1 |
| Zinc | 0.24 | B | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 18:25 | 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 | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Barium | 0.43 | J | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Chromium | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Copper | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Iron | <0.20 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Lead | <0.0075 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Manganese | 0.72 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Nickel | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Selenium | 0.014 | J B | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-1(0-4.5)-022514D

Lab Sample ID: 500-72196-2

Date Collected: 02/25/14 08:20

Matrix: Solid

Date Received: 02/26/14 06:30

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 | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |
| Zinc | 0.084 | J | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 20:53 | 1 |

Method: 6010B - Total Metals

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Antimony | 0.59 | J | 1.1 | 0.43 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Arsenic | 2.7 | | 0.54 | 0.11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Barium | 34 | | 0.54 | 0.058 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Beryllium | 0.28 | | 0.22 | 0.043 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Cadmium | 0.21 | | 0.11 | 0.014 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Calcium | 160000 | B | 110 | 29 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 11:43 | 10 |
| Chromium | 7.0 | | 0.54 | 0.062 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Cobalt | 3.6 | | 0.27 | 0.054 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Copper | 8.6 | | 0.54 | 0.11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Iron | 5500 | | 11 | 4.4 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Lead | 10 | | 0.27 | 0.080 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Magnesium | 97000 | B | 54 | 11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 11:43 | 10 |
| Manganese | 220 | | 0.54 | 0.11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Nickel | 6.8 | | 0.54 | 0.11 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Potassium | 1000 | | 27 | 1.6 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Selenium | 0.29 | J B | 0.54 | 0.19 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Silver | <0.27 | | 0.27 | 0.019 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Sodium | 330 | | 54 | 7.2 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Thallium | <0.54 | | 0.54 | 0.23 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Vanadium | 9.2 | | 0.27 | 0.040 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |
| Zinc | 36 | | 1.1 | 0.22 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 00:40 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | 0.037 | J | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 10:57 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | <0.20 | | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 12:00 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 31 | | 18 | 6.9 | ug/Kg | ☼ | 02/26/14 16:00 | 02/27/14 11:05 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| pH | 8.27 | | 0.200 | 0.200 | SU | | | 02/28/14 10:57 | 1 |

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-3(0-6)-022514

Lab Sample ID: 500-72196-6

Date Collected: 02/25/14 09:30

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 82.2

Method: 8260B - VOC

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| Acetone | <6.1 | | 6.1 | 2.6 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Benzene | <6.1 | | 6.1 | 0.83 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Bromodichloromethane | <6.1 | | 6.1 | 1.0 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Bromoform | <6.1 | | 6.1 | 1.4 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Bromomethane | <6.1 | | 6.1 | 1.8 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Carbon disulfide | <6.1 | | 6.1 | 0.91 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Carbon tetrachloride | <6.1 | | 6.1 | 1.1 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Chlorobenzene | <6.1 | | 6.1 | 0.62 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Chloroethane | <6.1 | | 6.1 | 1.7 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Chloroform | <6.1 | | 6.1 | 0.70 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Chloromethane | <6.1 | | 6.1 | 1.3 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| cis-1,2-Dichloroethene | <6.1 | | 6.1 | 0.86 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| cis-1,3-Dichloropropene | <6.1 | | 6.1 | 0.80 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Dibromochloromethane | <6.1 | | 6.1 | 1.1 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 1,1-Dichloroethane | <6.1 | | 6.1 | 0.96 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 1,2-Dichloroethane | <6.1 | | 6.1 | 0.90 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 1,1-Dichloroethene | <6.1 | | 6.1 | 0.98 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 1,2-Dichloropropane | <6.1 | | 6.1 | 0.92 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 1,3-Dichloropropene, Total | <6.1 | | 6.1 | 0.80 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Ethylbenzene | <6.1 | | 6.1 | 1.2 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 2-Hexanone | <6.1 | | 6.1 | 1.8 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Methylene Chloride | <6.1 | | 6.1 | 1.6 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Methyl Ethyl Ketone | <6.1 | | 6.1 | 2.2 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| methyl isobutyl ketone | <6.1 | | 6.1 | 1.6 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Methyl tert-butyl ether | <6.1 | | 6.1 | 1.0 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Styrene | <6.1 | | 6.1 | 0.80 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 1,1,2,2-Tetrachloroethane | <6.1 | | 6.1 | 1.2 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Tetrachloroethene | <6.1 | | 6.1 | 0.93 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Toluene | <6.1 | | 6.1 | 0.85 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| trans-1,2-Dichloroethene | <6.1 | | 6.1 | 0.84 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| trans-1,3-Dichloropropene | <6.1 | | 6.1 | 1.1 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 1,1,1-Trichloroethane | <6.1 | | 6.1 | 0.91 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| 1,1,2-Trichloroethane | <6.1 | | 6.1 | 0.83 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Trichloroethene | <6.1 | | 6.1 | 1.0 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Vinyl chloride | <6.1 | | 6.1 | 1.3 | ug/Kg | * | | 02/26/14 13:43 | 1 |
| Xylenes, Total | <12 | | 12 | 0.55 | ug/Kg | * | | 02/26/14 13:43 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 122 | | 02/26/14 13:43 | 1 |
| Dibromofluoromethane | 99 | | 75 - 120 | | 02/26/14 13:43 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 70 - 134 | | 02/26/14 13:43 | 1 |
| Toluene-d8 (Surr) | 104 | | 75 - 122 | | 02/26/14 13:43 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,2,4-Trichlorobenzene | <190 | | 190 | 42 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 1,2-Dichlorobenzene | <190 | | 190 | 46 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 1,3-Dichlorobenzene | <190 | | 190 | 43 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 1,4-Dichlorobenzene | <190 | | 190 | 50 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2,2'-oxybis[1-chloropropane] | <190 | | 190 | 45 | ug/Kg | * | 02/26/14 06:50 | 02/26/14 19:10 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-3(0-6)-022514

Lab Sample ID: 500-72196-6

Date Collected: 02/25/14 09:30

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 82.2

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | <380 | | 380 | 88 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2,4,6-Trichlorophenol | <380 | | 380 | 130 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2,4-Dichlorophenol | <380 | | 380 | 92 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2,4-Dimethylphenol | <380 | | 380 | 150 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2,4-Dinitrophenol | <780 | | 780 | 680 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2,4-Dinitrotoluene | <190 | | 190 | 61 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2,6-Dinitrotoluene | <190 | | 190 | 76 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2-Chloronaphthalene | <190 | | 190 | 43 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2-Chlorophenol | <190 | | 190 | 66 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2-Methylnaphthalene | <38 | | 38 | 7.1 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2-Methylphenol | <190 | | 190 | 62 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2-Nitroaniline | <190 | | 190 | 52 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 2-Nitrophenol | <380 | | 380 | 91 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 3 & 4 Methylphenol | <190 | | 190 | 64 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 3,3'-Dichlorobenzidine | <190 | | 190 | 54 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 3-Nitroaniline | <380 | | 380 | 120 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 4,6-Dinitro-2-methylphenol | <380 | | 380 | 310 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 4-Bromophenyl phenyl ether | <190 | | 190 | 51 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 4-Chloro-3-methylphenol | <380 | | 380 | 130 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 4-Chloroaniline | <780 | | 780 | 180 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 4-Chlorophenyl phenyl ether | <190 | | 190 | 45 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 4-Nitroaniline | <380 | | 380 | 160 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| 4-Nitrophenol | <780 | | 780 | 370 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Acenaphthene | <38 | | 38 | 6.9 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Acenaphthylene | <38 | | 38 | 5.1 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Anthracene | <38 | | 38 | 6.5 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Benzo[a]anthracene | 19 | J | 38 | 5.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Benzo[a]pyrene | 17 | J | 38 | 7.5 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Benzo[b]fluoranthene | 22 | J | 38 | 8.3 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Benzo[g,h,i]perylene | 15 | J | 38 | 12 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Benzo[k]fluoranthene | <38 | | 38 | 11 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Bis(2-chloroethoxy)methane | <190 | | 190 | 39 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Bis(2-chloroethyl)ether | <190 | | 190 | 58 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Bis(2-ethylhexyl) phthalate | <190 | | 190 | 71 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Butyl benzyl phthalate | <190 | | 190 | 73 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Carbazole | <190 | | 190 | 100 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Chrysene | 23 | J | 38 | 11 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Dibenz(a,h)anthracene | <38 | | 38 | 7.5 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Dibenzofuran | <190 | | 190 | 45 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Diethyl phthalate | <190 | | 190 | 65 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Dimethyl phthalate | <190 | | 190 | 50 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Di-n-butyl phthalate | <190 | * | 190 | 59 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Di-n-octyl phthalate | <190 | | 190 | 63 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Fluoranthene | 31 | J | 38 | 7.2 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Fluorene | <38 | | 38 | 5.4 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Hexachlorobenzene | <78 | | 78 | 9.0 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Hexachlorobutadiene | <190 | | 190 | 61 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Hexachlorocyclopentadiene | <780 | | 780 | 220 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Hexachloroethane | <190 | | 190 | 59 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-3(0-6)-022514

Lab Sample ID: 500-72196-6

Date Collected: 02/25/14 09:30

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 82.2

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Indeno[1,2,3-cd]pyrene | 12 | J | 38 | 10 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Isophorone | <190 | | 190 | 43 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Naphthalene | <38 | | 38 | 5.9 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Nitrobenzene | <38 | | 38 | 9.6 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| N-Nitrosodi-n-propylamine | <190 | | 190 | 47 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| N-Nitrosodiphenylamine | <190 | * | 190 | 46 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Pentachlorophenol | <780 | | 780 | 620 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Phenanthrene | 33 | J | 38 | 5.4 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Phenol | <190 | | 190 | 86 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Pyrene | 26 | J | 38 | 7.7 | ug/Kg | ☼ | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>2,4,6-Tribromophenol</i> | 80 | | 35 - 137 | | | | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| <i>2-Fluorobiphenyl</i> | 47 | | 25 - 119 | | | | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| <i>2-Fluorophenol</i> | 56 | | 25 - 110 | | | | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| <i>Nitrobenzene-d5</i> | 44 | | 25 - 115 | | | | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| <i>Phenol-d5</i> | 45 | | 31 - 110 | | | | 02/26/14 06:50 | 02/26/14 19:10 | 1 |
| <i>Terphenyl-d14</i> | 86 | | 36 - 134 | | | | 02/26/14 06:50 | 02/26/14 19:10 | 1 |

Method: 6010B - Metals (ICP) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Arsenic | <0.050 | | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Barium | 0.32 | J | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Chromium | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Copper | 0.028 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Iron | 2.6 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Lead | 0.031 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Manganese | 0.14 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Nickel | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Selenium | <0.050 | | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Silver | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 1 |
| Zinc | 0.23 | B | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 18:41 | 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 | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Barium | 0.53 | | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Chromium | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Copper | 0.012 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Iron | <0.20 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Lead | <0.0075 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Manganese | 0.66 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Nickel | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Selenium | 0.014 | J B | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Client Sample ID: ZW-3(0-6)-022514

Lab Sample ID: 500-72196-6

Date Collected: 02/25/14 09:30

Matrix: Solid

Date Received: 02/26/14 06:30

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 | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |
| Zinc | 0.27 | | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 21:14 | 1 |

Method: 6010B - Total Metals

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Antimony | <1.2 | | 1.2 | 0.49 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Arsenic | 9.8 | | 0.61 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Barium | 54 | | 0.61 | 0.065 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Beryllium | 0.83 | | 0.24 | 0.048 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Cadmium | 0.20 | | 0.12 | 0.015 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Calcium | 13000 | B | 12 | 3.3 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Chromium | 19 | | 0.61 | 0.070 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Cobalt | 14 | | 0.30 | 0.061 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Copper | 26 | | 0.61 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Iron | 30000 | | 12 | 5.0 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Lead | 23 | | 0.30 | 0.090 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Magnesium | 11000 | B | 6.1 | 1.2 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Manganese | 360 | | 0.61 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Nickel | 31 | | 0.61 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Potassium | 2500 | | 30 | 1.8 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Selenium | <0.61 | | 0.61 | 0.21 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Silver | <0.30 | | 0.30 | 0.022 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Sodium | 270 | | 61 | 8.1 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Thallium | 0.54 | J | 0.61 | 0.26 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Vanadium | 23 | | 0.30 | 0.045 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |
| Zinc | 170 | | 1.2 | 0.24 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 01:08 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | 0.14 | J | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 11:13 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | <0.20 | | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 12:18 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 630 | | 94 | 37 | ug/Kg | ☼ | 02/26/14 16:00 | 02/27/14 12:00 | 5 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| pH | 8.40 | | 0.200 | 0.200 | SU | | | 02/28/14 11:05 | 1 |

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|-------------------------------------|
| X | Surrogate is outside control limits |

GC/MS Semi VOA

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

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| B | Compound was found in the blank and sample. |
| F3 | Duplicate RPD exceeds the control limit |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1 | MS and/or MSD Recovery exceeds the control limits |

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 |
| 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 - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72196-1

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 | 04-30-14 |

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 ENVIRONMI

2417 Bond Street, University Park
Phone: 708.534.5200 Fax:



500-72196 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-72196
Chain of Custody Number: _____
Page 1 of 3
Temperature °C of Cooler: (2.4) (2.7)

| Client | | Client Project # | | Preservative | | Parameter | | Matrix | | Comments | |
|--|--------|---------------------|---------|-----------------|-----------------|-----------|------|--------|--------------|---|----|
| Weston Solutions Inc. | | 02056.013.0288.0020 | | | | | | | | 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 # | | # of Containers | | Matrix | | | | | |
| 1 DOT 03B - IL 171 (1st Ave) at Forest Ave | | | | | | | | | | | |
| Project Location/State | | Lab PM | | | | | | | | | |
| Riverside/Brookfield, IL | | D. Weight | | | | | | | | | |
| Sampler | | | | | | | | | | | |
| M. Osheny-Skubic | | | | | | | | | | | |
| Lab ID | MS/MSD | Sample ID | Date | Time | # of Containers | Matrix | VOCS | SVOCs | TOTAL METALS | TCLP/SLP METALS | pH |
| 1 | | ZW-1(0-4.5)-022514 | 2-25-14 | 0820 | 2 | S | X | X | X | X | X |
| 2 | | ZW-1(0-4.5)-022514D | 2-25-14 | 0820 | 2 | S | X | X | X | X | X |
| 3 | | ZW-2(0-4)-022514 | 2-25-14 | 0850 | 2 | S | X | X | X | X | X |
| 4 | | ZW-2(4-8)-022514 | 2-25-14 | 0855 | 2 | S | X | X | X | X | X |
| 5 | | ZW-2(8-13)-022514 | 2-25-14 | 0900 | 2 | S | X | X | X | X | X |
| 6 | | ZW-3(0-6)-022514 | 2-25-14 | 0930 | 2 | S | X | X | X | X | X |
| 7 | | ZW-5(0-0.5)-022514 | 2-25-14 | 0945 | 2 | S | X | X | X | X | X |
| 8 | | ZW-4(0-4)-022514 | 2-25-14 | 1020 | 2 | S | X | X | X | X | X |
| 9 | | ZW-4(4-8)-022514 | 2-25-14 | 1025 | 2 | S | X | X | X | X | X |
| 10 | | ZW-4(8-13)-022514 | 2-25-14 | 1030 | 2 | S | X | X | X | X | X |

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Send 40 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>2-25-2014</u> Time: <u>1520</u> | Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2-25-14</u> Time: <u>1530</u> | Lab Courier: <u>TA</u> |
| Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2-25-14</u> Time: <u>1615</u> | Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2/26/14</u> Time: <u>0630</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: FAP 372: IL 171 at Ridgewood and Forest Aves Office Phone Number, if available: _____

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

3500 S. 1st Avenue and 161-215 Ridgewood Road (Southwest corners of 1st Ave and Ridgewood Road Intersection)

City: Riverside 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: 41.827295868 Longitude: -87.828974913
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 372: IL 171 at Ridgewood and Forest Aves

Latitude: 41.827295868 Longitude: -87.828974913

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION RE-3 WAS SAMPLED ADJACENT TO ISGS SITE No. 2734-4. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-72197-1

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

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

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

Company Name: Illinois Department of Transportation

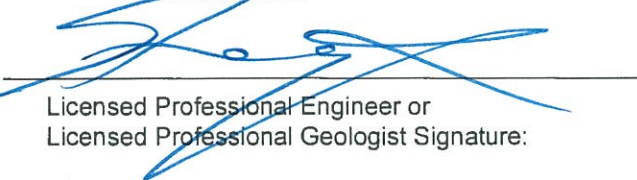
Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

5/9/14

Date:



Seal:

Summary Table of ISGS Site No. 2734-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illinois Route 171 (1st Avenue) at Ridgewood and Forest Avenues
Riverside and Brookfield, Cook County, Illinois

| Field Sample ID | RE-3(0-6)-022514 | Soil Reference Concentrations^A |
|-----------------------------|------------------|--|
| Sample Date | 2/25/2014 | |
| Location ID | RE-3 | |
| Depth | 0 - 6 | |
| Parameter | | |
| Laboratory pH (s.u.) | 8.15 | <6.25,>9.0 |
| VOCs | None Detected | |
| SVOCs | None Detected | |
| Total Metals (mg/kg) | | |
| Arsenic, Total | 8.7 | 11.3 / 13 |
| Barium, Total | 47 | 1500 |
| Beryllium, Total | 0.73 | 22 |
| Cadmium, Total | 0.23 B | 5.2 |
| Calcium, Total | 23000 B | --- |
| Chromium, Total | 18 | 21 |
| Cobalt, Total | 13 | 20 |
| Copper, Total | 25 | 2900 |
| Iron, Total | 21000 | 15000 / 15900 |
| Lead, Total | 16 | 107 |
| Magnesium, Total | 17000 B | 325000 |
| Manganese, Total | 310 | 630 / 636 |
| Mercury, Total | 0.052 | 0.89 |
| Nickel, Total | 33 | 100 |
| Potassium, Total | 2800 | --- |
| Sodium, Total | 300 B | --- |
| Thallium, Total | 0.55 J | 2.6 |
| Vanadium, Total | 21 | 550 |
| Zinc, Total | 72 | 5100 |
| TCLP Metals (mg/l) | | |
| Barium, TCLP | 0.36 J | 2 |
| Chromium, TCLP | 0.018 J | 0.1 |
| Copper, TCLP | 0.023 J | 0.65 |
| Manganese, TCLP | 0.79 | 0.15 |
| Nickel, TCLP | 0.011 J | 0.1 |
| Zinc, TCLP | 0.11 | 5 |
| SPLP Metals (mg/l) | | |
| Arsenic, SPLP | 0.011 J | 0.05 |
| Barium, SPLP | 0.28 J | 2 |
| Chromium, SPLP | 0.028 | 0.1 |
| Copper, SPLP | 0.041 | 0.65 |
| Iron, SPLP | 27 J+ | 5 |
| Lead, SPLP | 0.014 | 0.0075 |
| Manganese, SPLP | 0.098 | 0.15 |
| Mercury, SPLP | 0.000022 J | 0.002 |
| Nickel, SPLP | 0.025 | 0.1 |

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.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

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: 500-72197-1
Client Project/Site: IDOT - Riverside/Brookfield - 038

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/10/2014 1:20:18 PM

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.

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72197-1

Client Sample ID: RE-3(0-6)-022514

Lab Sample ID: 500-72197-1

Date Collected: 02/25/14 13:30

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 82.7

Method: 8260B - VOC

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|--------|-----------|-----|------|-------|---|----------|----------------|---------|
| Acetone | <6.0 | | 6.0 | 2.6 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Benzene | <6.0 | | 6.0 | 0.83 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Bromodichloromethane | <6.0 | | 6.0 | 1.0 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Bromoform | <6.0 | | 6.0 | 1.4 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Bromomethane | <6.0 | | 6.0 | 1.8 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Carbon disulfide | <6.0 | | 6.0 | 0.90 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Carbon tetrachloride | <6.0 | | 6.0 | 1.1 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Chlorobenzene | <6.0 | | 6.0 | 0.61 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Chloroethane | <6.0 | | 6.0 | 1.6 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Chloroform | <6.0 | | 6.0 | 0.70 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Chloromethane | <6.0 | | 6.0 | 1.3 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| cis-1,2-Dichloroethene | <6.0 | | 6.0 | 0.85 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| cis-1,3-Dichloropropene | <6.0 | | 6.0 | 0.79 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Dibromochloromethane | <6.0 | | 6.0 | 1.1 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 1,1-Dichloroethane | <6.0 | | 6.0 | 0.96 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 1,2-Dichloroethane | <6.0 | | 6.0 | 0.90 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 1,1-Dichloroethene | <6.0 | | 6.0 | 0.98 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 1,2-Dichloropropane | <6.0 | | 6.0 | 0.92 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 1,3-Dichloropropene, Total | <6.0 | | 6.0 | 0.79 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Ethylbenzene | <6.0 | | 6.0 | 1.2 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 2-Hexanone | <6.0 | | 6.0 | 1.7 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Methylene Chloride | <6.0 | | 6.0 | 1.6 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Methyl Ethyl Ketone | <6.0 | | 6.0 | 2.2 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| methyl isobutyl ketone | <6.0 | | 6.0 | 1.6 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Methyl tert-butyl ether | <6.0 | | 6.0 | 1.0 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Styrene | <6.0 | | 6.0 | 0.79 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 1,1,1,2-Tetrachloroethane | <6.0 | | 6.0 | 1.2 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Tetrachloroethene | <6.0 | | 6.0 | 0.92 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Toluene | <6.0 | | 6.0 | 0.85 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| trans-1,2-Dichloroethene | <6.0 | | 6.0 | 0.83 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| trans-1,3-Dichloropropene | <6.0 | | 6.0 | 1.1 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 1,1,1-Trichloroethane | <6.0 | | 6.0 | 0.90 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| 1,1,2-Trichloroethane | <6.0 | | 6.0 | 0.82 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Trichloroethene | <6.0 | | 6.0 | 1.0 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Vinyl chloride | <6.0 | | 6.0 | 1.3 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |
| Xylenes, Total | <12 | | 12 | 0.55 | ug/Kg | ☼ | | 02/26/14 11:03 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 122 | | 02/26/14 11:03 | 1 |
| Dibromofluoromethane | 100 | | 75 - 120 | | 02/26/14 11:03 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 70 - 134 | | 02/26/14 11:03 | 1 |
| Toluene-d8 (Surr) | 105 | | 75 - 122 | | 02/26/14 11:03 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,2,4-Trichlorobenzene | <200 | | 200 | 42 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 1,2-Dichlorobenzene | <200 | | 200 | 46 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 1,3-Dichlorobenzene | <200 | | 200 | 44 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 1,4-Dichlorobenzene | <200 | | 200 | 50 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2,2'-oxybis[1-chloropropane] | <200 | | 200 | 45 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72197-1

Client Sample ID: RE-3(0-6)-022514

Lab Sample ID: 500-72197-1

Date Collected: 02/25/14 13:30

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 82.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | <390 | | 390 | 89 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2,4,6-Trichlorophenol | <390 | | 390 | 130 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2,4-Dichlorophenol | <390 | | 390 | 92 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2,4-Dimethylphenol | <390 | | 390 | 150 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2,4-Dinitrophenol | <780 | | 780 | 680 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2,4-Dinitrotoluene | <200 | | 200 | 62 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2,6-Dinitrotoluene | <200 | | 200 | 76 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2-Chloronaphthalene | <200 | | 200 | 43 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2-Chlorophenol | <200 | | 200 | 66 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2-Methylnaphthalene | <39 | | 39 | 7.1 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2-Methylphenol | <200 | | 200 | 62 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2-Nitroaniline | <200 | | 200 | 52 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2-Nitrophenol | <390 | | 390 | 92 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 3 & 4 Methylphenol | <200 | | 200 | 65 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 3,3'-Dichlorobenzidine | <200 | | 200 | 54 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 3-Nitroaniline | <390 | | 390 | 120 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 4,6-Dinitro-2-methylphenol | <390 | | 390 | 310 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 4-Bromophenyl phenyl ether | <200 | | 200 | 51 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 4-Chloro-3-methylphenol | <390 | | 390 | 130 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 4-Chloroaniline | <780 | | 780 | 180 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 4-Chlorophenyl phenyl ether | <200 | | 200 | 45 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 4-Nitroaniline | <390 | | 390 | 160 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 4-Nitrophenol | <780 | | 780 | 370 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Acenaphthene | <39 | | 39 | 7.0 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Acenaphthylene | <39 | | 39 | 5.1 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Anthracene | <39 | | 39 | 6.5 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Benzo[a]anthracene | <39 | | 39 | 5.2 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Benzo[a]pyrene | <39 | | 39 | 7.5 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Benzo[b]fluoranthene | <39 | | 39 | 8.4 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Benzo[g,h,i]perylene | <39 | | 39 | 13 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Benzo[k]fluoranthene | <39 | | 39 | 11 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Bis(2-chloroethoxy)methane | <200 | | 200 | 40 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Bis(2-chloroethyl)ether | <200 | | 200 | 58 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Bis(2-ethylhexyl) phthalate | <200 | | 200 | 71 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Butyl benzyl phthalate | <200 | | 200 | 74 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Carbazole | <200 | | 200 | 100 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Chrysene | <39 | | 39 | 11 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Dibenz(a,h)anthracene | <39 | | 39 | 7.5 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Dibenzofuran | <200 | | 200 | 46 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Diethyl phthalate | <200 | | 200 | 66 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Dimethyl phthalate | <200 | | 200 | 51 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Di-n-butyl phthalate | <200 | | 200 | 59 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Di-n-octyl phthalate | <200 | | 200 | 63 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Fluoranthene | <39 | | 39 | 7.2 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Fluorene | <39 | | 39 | 5.5 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Hexachlorobenzene | <78 | | 78 | 9.0 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Hexachlorobutadiene | <200 | | 200 | 61 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Hexachlorocyclopentadiene | <780 | | 780 | 220 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Hexachloroethane | <200 | | 200 | 59 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72197-1

Client Sample ID: RE-3(0-6)-022514

Lab Sample ID: 500-72197-1

Date Collected: 02/25/14 13:30

Matrix: Solid

Date Received: 02/26/14 06:30

Percent Solids: 82.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Indeno[1,2,3-cd]pyrene | <39 | | 39 | 10 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Isophorone | <200 | | 200 | 44 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Naphthalene | <39 | | 39 | 6.0 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Nitrobenzene | <39 | | 39 | 9.7 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| N-Nitrosodi-n-propylamine | <200 | | 200 | 47 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| N-Nitrosodiphenylamine | <200 | | 200 | 46 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Pentachlorophenol | <780 | | 780 | 620 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Phenanthrene | <39 | | 39 | 5.4 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Phenol | <200 | | 200 | 86 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Pyrene | <39 | | 39 | 7.7 | ug/Kg | ☼ | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol | 35 | | 35 - 137 | | | | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2-Fluorobiphenyl | 54 | | 25 - 119 | | | | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| 2-Fluorophenol | 41 | | 25 - 110 | | | | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Nitrobenzene-d5 | 45 | | 25 - 115 | | | | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Phenol-d5 | 40 | | 31 - 110 | | | | 02/26/14 20:03 | 02/28/14 21:34 | 1 |
| Terphenyl-d14 | 59 | | 36 - 134 | | | | 02/26/14 20:03 | 02/28/14 21:34 | 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 | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Barium | 0.36 | J | 0.50 | 0.050 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Chromium | 0.018 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Copper | 0.023 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Iron | <0.20 | | 0.20 | 0.20 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Lead | <0.0075 | | 0.0075 | 0.0075 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Manganese | 0.79 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Nickel | 0.011 | J | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Selenium | 0.021 | J B | 0.050 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Silver | <0.025 | | 0.025 | 0.010 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |
| Zinc | 0.11 | | 0.10 | 0.020 | mg/L | | 03/03/14 08:00 | 03/03/14 18:02 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Arsenic | 0.011 | J | 0.050 | 0.010 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Barium | 0.28 | J | 0.50 | 0.050 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Beryllium | <0.0040 | | 0.0040 | 0.0040 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Cadmium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Chromium | 0.028 | | 0.025 | 0.010 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Cobalt | <0.025 | | 0.025 | 0.010 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Copper | 0.041 | | 0.025 | 0.010 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Iron | 27 | | 0.20 | 0.20 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Lead | 0.014 | | 0.0075 | 0.0075 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Manganese | 0.098 | | 0.025 | 0.010 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Nickel | 0.025 | | 0.025 | 0.010 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Selenium | <0.050 | | 0.050 | 0.010 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72197-1

Client Sample ID: RE-3(0-6)-022514

Lab Sample ID: 500-72197-1

Date Collected: 02/25/14 13:30

Matrix: Solid

Date Received: 02/26/14 06:30

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 | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |
| Zinc | 0.21 | B | 0.10 | 0.020 | mg/L | | 03/05/14 09:00 | 03/05/14 19:49 | 1 |

Method: 6010B - Total Metals

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Antimony | <1.2 | | 1.2 | 0.48 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Arsenic | 8.7 | | 0.60 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Barium | 47 | | 0.60 | 0.064 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Beryllium | 0.73 | | 0.24 | 0.048 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Cadmium | 0.23 | B | 0.12 | 0.015 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Calcium | 23000 | B | 12 | 3.2 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Chromium | 18 | | 0.60 | 0.069 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Cobalt | 13 | | 0.30 | 0.060 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Copper | 25 | | 0.60 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Iron | 21000 | | 12 | 4.9 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Lead | 16 | | 0.30 | 0.089 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Magnesium | 17000 | B | 6.0 | 1.2 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Manganese | 310 | | 0.60 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Nickel | 33 | | 0.60 | 0.12 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Potassium | 2800 | | 30 | 1.8 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Selenium | <0.60 | | 0.60 | 0.21 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Silver | <0.30 | | 0.30 | 0.022 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Sodium | 300 | B | 60 | 8.0 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Thallium | 0.55 | J | 0.60 | 0.25 | mg/Kg | ☼ | 03/03/14 16:00 | 03/05/14 12:23 | 1 |
| Vanadium | 21 | | 0.30 | 0.044 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |
| Zinc | 72 | | 1.2 | 0.24 | mg/Kg | ☼ | 03/03/14 16:00 | 03/04/14 22:29 | 1 |

Method: 7470A - Mercury (CVAA) - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | <0.20 | | 0.20 | 0.020 | ug/L | | 03/03/14 16:00 | 03/04/14 09:59 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | 0.022 | J | 0.20 | 0.020 | ug/L | | 03/05/14 11:34 | 03/06/14 10:38 | 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 | 52 | | 18 | 6.9 | ug/Kg | ☼ | 02/26/14 16:00 | 02/27/14 10:25 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-------------|-----------|-------|-------|------|---|----------|----------------|---------|
| pH | 8.15 | | 0.200 | 0.200 | SU | | | 03/04/14 14:46 | 1 |

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72197-1

Qualifiers

GC/MS Semi VOA

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

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| B | Compound was found in the blank and sample. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| ^ | ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control 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 |
| 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 - Riverside/Brookfield - 038

TestAmerica Job ID: 500-72197-1

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 | 04-30-14 |

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 |

Report To (optional) _____
 Contact: S. Babusukumar
 Company: Weston Solutions Inc.
 Address: 750 EBunker Ct. Ste. 500
Vernon Hills, IL 60061
 Phone: 847-918-4018
 Fax: 847-918-4055
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-72197

Chain of Custody Number: _____

Page 3 of 3

Temperature °C of Cooler: (2.4)(2.7)

| Client | | Client Project # | | Preservative | | Parameter | | Matrix | | Comments | |
|------------------------|--------|--------------------|---------|-----------------|--------|-----------|-------|--------------|------------------|---|---|
| Weston Solutions | | 02056.013.03 | | | | | | | | 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 # | | # of Containers | Matrix | VOCs | SVOCs | TOTAL METALS | TCUP/SPUR METALS | PH | |
| iDOT | | | | | | | | | | | |
| Project Location/State | | Lab Project # | | Sampling | | | | | | | |
| M. Ooheny-skubic | | D. Wright | | Date | Time | | | | | | |
| Lab ID | MS/MSD | Sample ID | | | | | | | | | |
| 1 | | RE-3(0-6)-022514 | 2-25-14 | 1330 | 2 | S | X | X | X | X | X |
| 2 | | RE-4(0-0.5)-022514 | 2-25-14 | 1345 | 2 | S | X | X | X | X | X |
| <i>MDS</i> | | | | | | | | | | | |

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

Requested Due Date _____

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

| | | |
|---|--|------------------------|
| Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>2-25-2014</u> Time: <u>1520</u> | Received By: <u>[Signature]</u> Company: <u>TAC</u> Date: <u>2-25-14</u> Time: <u>1520</u> | Lab Courier: <u>JA</u> |
| Relinquished By: <u>[Signature]</u> Company: <u>TAC</u> Date: <u>2-25-14</u> Time: <u>1615</u> | Received By: <u>[Signature]</u> Company: <u>TAC</u> Date: <u>2/26/14</u> Time: <u>0630</u> | Shipped: _____ |
| Relinquished By: _____ Company: _____ Date: _____ Time: _____ | Received By: _____ Company: _____ Date: _____ Time: _____ | Hand Delivered: _____ |

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

Client Comments: _____

Lab Comments: _____

