Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 8, 2014

SUBJECT: FAU Route 0361 (New Avenue)
Project ACHSIP-0361(004)
Section 2011-223-I
Will and Cook Counties
Contract No. 60R86
Item No. 088, January 17, 2014 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

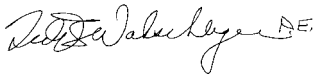
1. Replaced the Schedule of Prices
2. Revised the Table of Contents to the Special Provisions
3. Revised pages 60-64 of the Special Provisions
4. Added pages 82-276 to the Special Provisions
5. Revised sheet 4 of the Plans

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John D. Baranzelli, P.E.
Acting Engineer of Design and Environment



By: Ted B. Walschleger, P. E.
Engineer of Project Management

cc: John Fortmann, Region 1, District 1; Tim Kell; Estimates

MS/kf

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES

CONTRACT NUMBER - 60R86

State Job # - C-91-228-12

	Project Number	Route
County Name - COOK- WILL-	ACHSIP-0361/004/	FAU 0361
Code - 31 - 197 -		
District - 1 - 1 -	*REVISED: DECEMBER 30, 2013	
Section Number - 2011-223-I		

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0326898	CENTERLN RUM STRIP 16	FOOT	24,229.000				
X2020110	GRADING & SHAP SHLDRS	UNIT	397.000				
X5537800	SS CLEANED 12	FOOT	100.000				
X7800815	HS THPL PM LN 4	FOOT	14,626.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0018500	DRAINAGE STR CLEANED	EACH	3.000				
Z0030850	TEMP INFO SIGNING	SQ FT	100.000				
Z0064800	SELECTIVE CLEARING	UNIT	158.000				
20100110	TREE REMOV 6-15	UNIT	936.000				
20100210	TREE REMOV OVER 15	UNIT	254.000				
20200100	EARTH EXCAVATION	CU YD	3,176.000				
20201200	REM & DISP UNS MATL	CU YD	6,083.000				
21101615	TOPSOIL F & P 4	SQ YD	7,506.000				
25000210	SEEDING CL 2A	ACRE	1.600				
25000400	NITROGEN FERT NUTR	POUND	145.000				

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County Name - COOK- WILL-
Code - 31 - 197 -
District - 1 - 1 -
Section Number - 2011-223-I

*REVISED: DECEMBER 30, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
25000500	PHOSPHORUS FERT NUTR	POUND	145.000				
25000600	POTASSIUM FERT NUTR	POUND	145.000				
25100630	EROSION CONTR BLANKET	SQ YD	7,505.000				
31102100	SUB GRAN MAT C 4	SQ YD	20,232.000				
40600200	BIT MATLS PR CT	TON	4.000				
40600300	AGG PR CT	TON	18.000				
40600400	MIX CR JTS FLANGEWYS	TON	14.000				
40603340	HMA SC "D" N70	TON	1,010.000				
42001300	PROTECTIVE COAT	SQ YD	180.000				
44000157	HMA SURF REM 2	SQ YD	8,984.000				
44003100	MEDIAN REMOVAL	SQ FT	1,616.000				
48101500	AGGREGATE SHLDS B 6	SQ YD	13,498.000				
48203029	HMA SHOULDERS 8	SQ YD	17,995.000				
60251200	CB ADJ NEW T8G	EACH	3.000				
60624600	CORRUGATED MED	SQ FT	1,616.000				

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SCHEDULE OF PRICES
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Route FAU 0361

County Name - COOK- WILL-
Code - 31 - 197 -
District - 1 - 1 -
Section Number - 2011-223-I

*REVISED: DECEMBER 30, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
63000370	LSG OVER CUL 25' SPAN	FOOT	50.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	16.000				
63200310	GUARDRAIL REMOV	FOOT	600.000				
64200108	SHOULDER RUM STRIP 8	FOOT	45,479.000				
*ADD 6900200	NON SPL WASTE DISPOSL	CU YD	2,900.000				
*ADD 6900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
*ADD 6900530	SOIL DISPOSAL ANALY	EACH	15.000				
67000400	ENGR FIELD OFFICE A	CAL MO	6.000				
67100100	MOBILIZATION	L SUM	1.000				
70100460	TRAF CONT-PROT 701306	L SUM	1.000				
70100500	TRAF CONT-PROT 701326	L SUM	1.000				
70100600	TRAF CONT-PROT 701336	L SUM	1.000				
70102622	TR CONT & PROT 701502	L SUM	1.000				
70102635	TR CONT & PROT 701701	L SUM	1.000				
70300100	SHORT TERM PAVT MKING	FOOT	2,839.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - 60R86

State Job # - C-91-228-12

		Project Number	Route
County Name -	**COOK- WILL-**	**ACHSIP-0361/004/**	**FAU 0361**
Code -	**31 - 197 -**		
District -	**1 - 1 -**	***REVISED: DECEMBER 30, 2013**	
Section Number -	**2011-223-I**		

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
70300220	TEMP PVT MK LINE 4	FOOT	14,626.000				
78100100	RAISED REFL PAVT MKR	EACH	500.000				
78200420	GUARDRAIL MKR TYPE B	EACH	16.000				
78201000	TERMINAL MARKER - DA	EACH	16.000				
78300200	RAISED REF PVT MK REM	EACH	500.000				

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Revised 1/8/14

The failure to perform any requirement, obligation, or term of the contract by the Contractor shall be reason for withholding any progress payments until the Department determines that compliance has been achieved."

QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE MIXTURES (BDE)

Effective: January 1, 2012 Revised: January 1, 2014

Revise Note 7/ of Schedule B of Recurring Special Provision Check Sheet #31 of the Standard Specifications to read:

7/ The test of record for strength shall be the day indicated in Article 1020.04. For cement aggregate mixture II, a strength requirement is not specified and testing is not required. Additional strength testing to determine early falsework and form removal, early pavement or bridge opening to traffic, or to monitor strengths is at the discretion of the Contractor. Strength shall be defined as the average of two 6 x 12 in. (150 x 300 mm) cylinder breaks, three 4 x 8 in. (100 x 200 mm) cylinder breaks, or two beam breaks for field tests. Per Illinois Modified AASHTO T 23, cylinders shall be 6 x 12 in. (150 x 300 mm) when the nominal maximum size of the coarse aggregate exceeds 1 in. (25 mm).

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

Revise Article 669.01 of the Standard Specifications to read:

"669.01 Description. This work shall consist of the transportation and proper disposal of contaminated soil and water. This work shall also consist of the removal, transportation, and proper disposal of underground storage tanks (UST), their content and associated underground piping to the point where the piping is above the ground, including determining the content types and estimated quantities."

Revise Article 669.08 of the Standard Specifications to read:

"669.08 Contaminated Soil and/or Groundwater Monitoring. The Contractor shall hire a qualified environmental firm to monitor the area containing the regulated substances. The affected area shall be monitored with a photoionization detector (PID) utilizing a lamp of 10.6eV or greater or a flame ionization detector (FID). Any field screen reading on the PID or FID in excess of background levels indicates the potential presence of contaminated material requiring handling as a non-special waste, special waste, or hazardous waste. No excavated soils can be taken to a clean construction and demolition debris (CCDD) facility or an uncontaminated soil fill operation with detectable PID or FID meter readings that are above background. The PID or FID meter shall be calibrated on-site and background level readings taken and recorded daily. All testing shall be done by a qualified engineer/technician. Such testing and monitoring shall be included in the work. The Contractor shall identify the exact limits of removal of non-special waste, special waste, or hazardous waste. All limits shall be approved by the Engineer prior to excavation. The Contractor shall take all necessary precautions.

Based upon the land use history of the subject property and/or PID or FID readings indicating contamination, a soil or groundwater sample shall be taken from the same location and submitted to an approved laboratory. Soil or groundwater samples shall be analyzed for the contaminants of concern, including pH, based on the property's land use history or the parameters listed in the maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605. The analytical results shall serve to document the level of soil contamination. Soil and groundwater samples may be required at the discretion of the Engineer to verify the level of soil and groundwater contamination.

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Samples shall be grab samples (not combined with other locations). The samples shall be taken with decontaminated or disposable instruments. The samples shall be placed in sealed containers and transported in an insulated container to the laboratory. The container shall maintain a temperature of 39 °F (4 °C). All samples shall be clearly labeled. The labels shall indicate the sample number, date sampled, location and elevation, and any other observations.

The laboratory shall use analytical methods which are able to meet the lowest appropriate practical quantitation limits (PQL) or estimated quantitation limit (EQL) specified in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods", EPA Publication No. SW-846 and "Methods for the Determination of Organic Compounds in Drinking Water", EPA, EMSL, EPA-600/4-88/039. For parameters where the specified cleanup objective is below the acceptable detection limit (ADL), the ADL shall serve as the cleanup objective. For other parameters the ADL shall be equal to or below the specified cleanup objective."

Replace the first two paragraphs of Article 669.09 of the Standard Specifications with the following:

"669.09 Contaminated Soil and/or Groundwater Management and Disposal. The management and disposal of contaminated soil and/or groundwater shall be according to the following:

(a) Soil Analytical Results Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels exceed the most stringent maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605, the soil shall be managed as follows:

(1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC but they are still considered within area background levels by the Engineer, the excavated soil can be utilized within the construction limits as fill, when suitable. Such soil excavated for storm sewers can be placed back into the excavated trench as backfill, when suitable, unless trench backfill is specified. If the soils cannot be utilized within the construction limits, they shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

(2) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for a Metropolitan Statistical Area (MSA) County, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(3) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago or within the Chicago corporate limits provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(4) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(5) When the Engineer determines soil cannot be managed according to Articles 669.09(a)(1) through (a)(4) above, the soil shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

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(b) Soil Analytical Results Do Not Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels do not exceed the most stringent MAC, the excavated soil can be utilized within the construction limits or managed and disposed of off-site as "uncontaminated soil" according to Article 202.03. However the excavated soil cannot be taken to a CCDD facility or an uncontaminated soil fill operation for the following reason.

(1) The pH of the soil is less than 6.25 or greater than 9.0.

(2) The soil exhibited elevated photoionization detector (PID) utilizing a lamp of 10.6eV or greater or a flame ionization detector (FID) readings.

(c) Soil Analytical Results Exceed Most Stringent MAC but Do Not Exceed TACO Residential. When the soil analytical results indicate that detected levels exceed the most stringent MAC but do not exceed TACO Tier 1 Soil Remediation Objectives for Residential Properties pursuant to 35 IAC 742 Appendix B Table A, the excavated soil can be utilized within the right-of-way or managed and disposed of off-site as "uncontaminated soil" according to Article 202.03. However the excavated soil cannot be taken to a CCDD facility or an uncontaminated soil fill operation.

(d) Groundwater. When groundwater analytical results indicate the detected levels are above Appendix B, Table E of 35 Illinois Administrative Code 742, the most stringent Tier 1 Groundwater Remediation Objectives for Groundwater Component of the Groundwater Ingestion Route for Class 1 groundwater, the groundwater shall be managed off-site as a special waste.

All groundwater encountered within lateral trenches may be managed within the trench and allowed to infiltrate back into the ground. If the groundwater cannot be managed within the trench it must be removed as a special or hazardous waste. The Contractor is prohibited from managing groundwater within the trench by discharging it through any existing or new storm sewer. The Contractor shall install backfill plugs within the area of groundwater contamination.

One backfill plug shall be placed down gradient to the area of groundwater contamination. Backfill plugs shall be installed at intervals not to exceed 50 ft (15 m). Backfill plugs are to be 4 ft (1.2 m) long, measured parallel to the trench, full trench width and depth. Backfill plugs shall not have any fine aggregate bedding or backfill, but shall be entirely cohesive soil or any class of concrete. The Contractor shall provide test data that the material has a permeability of less than 10^{-7} cm/sec according to ASTM D 5084, Method A or per another test method approved by the Engineer."

Revise Article 669.14 of the Standard Specifications to read:

"669.14 Final Environmental Construction Report. At the end of the project, the Contractor will prepare and submit three copies of the Environmental Construction Report on the activities conducted during the life of the project, one copy shall be submitted to the Resident Engineer, one copy shall be submitted to the District's Environmental Studies Unit, and one copy shall be submitted with an electronic copy in Adode.pdf format to the Geologic and Waste Assessment Unit, Bureau of Design and Environment, IDOT, 2300 South Dirksen Parkway, Springfield, Illinois 62764. The technical report shall include all pertinent information regarding the project including, but not limited to:

(a) Measures taken to identify, monitor, handle, and dispose of soil or groundwater containing regulated substances, to prevent further migration of regulated substances, and to protect workers,

(b) Cost of identifying, monitoring, handling, and disposing of soil or groundwater containing regulated substances, the cost of preventing further migration of regulated substances, and the cost for worker protection from the regulated substances. All cost should be in the format of the contract pay items listed in the contract plans (identified by the preliminary environmental site assessment (PESA) site number),

(c) Plan sheets showing the areas containing the regulated substances,

(d) Field sampling and testing results used to identify the nature and extent of the regulated substances,

(e) Waste manifests (identified by the preliminary environmental site assessment (PESA) site number) for special or hazardous waste disposal, and

(f) Landfill tickets (identified by the preliminary environmental site assessment (PESA) site number) for non-special waste disposal."

Revise the second paragraph of Article 669.16 of the Standard Specifications to read:

"The transportation and disposal of soil and other materials from an excavation determined to be contaminated will be paid for at the contract unit price per cubic yard (cubic meter) for NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, or HAZARDOUS WASTE DISPOSAL."

Qualifications. The term environmental firm shall mean an environmental firm with at least five (5) documented leaking underground storage tank (LUST) cleanups or that is pre-qualified in hazardous waste by the Department. Documentation includes but not limited to verifying remediation and special waste operations for sites contaminated with gasoline, diesel, or waste oil in accordance with all Federal, State, or local regulatory requirements and shall be provided to the Engineer for approval. The environmental firm selected shall not be a former or current consultant or have any ties with any of the properties contained within and/or adjacent to this construction project.

General. This Special Provision will likely require the Contractor to subcontract for the execution of certain activities.

All contaminated materials shall be managed as either "uncontaminated soil" or non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances. The Environmental Firm shall continuously monitor all soil excavation for worker protection and soil contamination. **Phase I Preliminary Engineering information is available through the District's Environmental Studies Unit.** Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less.

The Contractor shall manage any excavated soils and sediment within the following areas:

- Station 76+00 to Station 80+25 0 to 120 feet RT (Vacant Land, PESA Site 2501-17, east and west sides of South First Avenue with 44th Street). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Carbazole, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, Naphthalene, Lead, and Arsenic.
- Station 507+50 to Station 599+90 0 to 60 feet RT (Vacant Lot, PESA Site 2501-9, 8501 West Ogden Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, and Manganese.
- Station 599+90 to Station 602+90 0 to 60 feet LT (Walgreens, PESA Site 2501-10, 4101 South First Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.
- Station 588+80 to Station 609+00 0 to 60 feet LT (Plank Road Meadow Forest Preserve, PESA Site 2501-7). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, Arsenic, and Manganese.

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- Station 100+60 to Station 103+50 0 to 60 feet LT (Plank Road Meadow Forest Preserve, PESA Site 2501-7). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, and Manganese.
- Station 100+60 to Station 101+00 0 to 60 feet RT (Plank Road Meadow Forest Preserve, PESA Site 2501-7). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Manganese.
- Station 602+90 to Station 605+50 0 to 100 feet RT (Strip Mall, PESA Site 2501-11, 8499 West Ogden Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, and Manganese.
- Station 605+50 to Station 609+00 0 to 100 feet RT (Reliable Materials Lyons, LLC, PESA Site 2501-13, 4401 South First Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Dibenzo(a,h)Anthracene, Arsenic, and Manganese.
- Station 92+40 to Station 95+50 0 to 90 feet RT (Reliable Materials Lyons, LLC, PESA Site 2501-13, 4401 South First Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Arsenic, and Manganese.
- Station 95+50 to Station 99+50 0 to 60 feet LT (Walgreens, PESA Site 2501-10, 4101 South First Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, and Manganese.
- Station 94+00 to Station 95+50 0 to 100 feet LT (7-Eleven, PESA Site 2501-14, 4200 South First Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Arsenic, and Manganese.
- Station 95+00 to Station 97+70 0 to 100 feet LT (Vacant Building, PESA Site 2501-12, 4146 South First Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.
- Station 97+70 to Station 98+50 0 to 60 feet LT (Vacant Lot, PESA Site 2501-9, 8501 West Ogden Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, and Manganese.
- Station 80+25 to Station 83+50 0 to 100 feet RT (Reliable Materials Lyons, LLC, PESA Site 2501-13, 4401 South First Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Arsenic and Manganese.
- Station 79+00 to Station 83+50 0 to 120 feet LT (Vacant Lot, PESA Site 2501-15, 8500 block of 44th Street). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(b)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Arsenic, Lead, and Manganese.

REMOVAL AND DISPOSAL OF SURPLUS MATERIALS (BDE)

Effective: November 2, 2012

Revise the first four paragraphs of Article 202.03 of the Standard Specifications to read:

"**202.03 Removal and Disposal of Surplus, Unstable, Unsuitable, and Organic Materials.** Suitable excavated materials shall not be wasted without permission of the Engineer. The Contractor shall dispose of all surplus, unstable, unsuitable, and organic materials, in such a manner that public or private property will not be damaged or endangered.

Revised 1/8/14

IEPA FORM 663

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
400 to 16000 block of New Avenue

City: Lockport State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.6428539719 (Decimal Degrees) Longitude: -88.0485577341 (-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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.6428539719 Longitude: -88.0485577341

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 RR-20, RR-22, RR-27, RR-29, RR-30, AND RR-53 WERE SAMPLED ADJACENT TO ISGS SITE No. 2518-8. SEE FIGURES 3-4 THROUGH 3-7 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 REPORTS - JOB ID: 500-64901-1, 500-64981-1, AND 500-64900-1

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:

12/24/13
Date:

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2518-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	RR-20(0.5-1.5)-101413	RR-22(0.5-1.5)-101413	RR-27(0.5-1.5)-101513	RR-29(0.5-1.5)-101413	RR-30(0.5-1.5)-101413	RR-53(0.5-1.5)-101513	Soil Reference Concentrations[A]
Sample Date	10/14/2013	10/14/2013	10/15/2013	10/14/2013	10/14/2013	10/15/2013	
Location ID	RR-20	RR-22	RR-27	RR-29	RR-30	RR-53	
Depth	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	
Parameter							
Laboratory pH (s.u.)	8.23	8.8	8.24	8.22	8.69	8.69	<6.25,>9.0
VOCs (ug/kg)							
Acetone	ND	ND	7.1	ND	ND	ND	25000
SVOCs (ug/kg)							
Acenaphthylene	ND	ND	ND	ND	20 J	ND	85000
Anthracene	ND	15 J	ND	ND	34 J	ND	1.20E+07
Benzo(a)anthracene	290	150	420 J-	130 J	200	210	900 / 1100 / 1800
Benzo(a)pyrene	290	130	370 J-	190 J	230	210	90 / 1300 / 2100
Benzo(b)fluoranthene	420	200	490 J-	220 J	310	290	900 / 1500 / 2100
Benzo(g,h,i)perylene	330	110	370	330 J	270	380	2300000
Benzo(k)fluoranthene	140 J	85	230 J	360 ND	140	92 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	60 J	ND	46000
Chrysene	380	160	470 J-	250 J	320	550	88000
Dibenzo(a,h)anthracene	110 J	32 J	97 J	ND	70	89 J	90 / 200 / 420
Fluoranthene	220	240	630 J-	180 J	370	210	3100000
Indeno(1,2,3-cd)pyrene	180 J	80	230 J	130 J	180	130 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	19 J	ND	1800
Phenanthrene	100 J	100	300 J	ND	150	220	210000
Pyrene	280	240	590 J-	210 J	330	300	2300000
Total Metals (mg/kg)							
Aluminum, Total	5300 B	3000 B	3700	5400 B	8300 B	2300	9200 / 9500
Antimony, Total	0.61 J	ND	ND	ND	ND	ND	5
Arsenic, Total	10	5.6	5.4 J	5.2	13	3.5	11.3 / 13
Barium, Total	60	21	38	68	72	16	1500
Beryllium, Total	0.44	0.33 J	0.5 J	0.38	0.72	0.23 J	22
Cadmium, Total	0.48	0.1 J	0.78	0.36	0.59	0.45 J	5.2
Calcium, Total	98000 B	160000 B	150000 B	120000	51000 B	170000 B	---
Chromium, Total	20	5.8	10 J	15	21	5.9	21
Cobalt, Total	5.1	3.5	3.8	3.8	7.8	2.5	20
Copper, Total	29 B	10 B	18 J+	20 B	34 B	15	2900
Iron, Total	12000	9300	11000 J	11000	20000	6200	15000 / 15900
Lead, Total	120	17	120 J	20	120	36 B	107
Magnesium, Total	47000 B	93000 B	77000 B	50000	25000	100000 B	325000
Manganese, Total	440	340	350 B	370	450	290 B	630 / 636
Mercury, Total	0.055	0.016	0.05	0.033	0.048	0.031	0.89
Nickel, Total	12	9.9	10	9.4 B	21 B	6.7	100
Potassium, Total	1700	1500	1200 J+	1100 B	1800 B	1000	---
Sodium, Total	720	400	670 J+	310	1400	400	---
Strontium, Total	39 J	50 J	48 B^	37 J	39 J	53 B^	84
Thallium, Total	0.27 J	ND	ND	ND	0.3 J	ND	2.6
Vanadium, Total	15 B	9.3 B	14 B	17	21	9.2 B	550
Zinc, Total	84 B	ND	70 J	65 B	100 B	48 B	5100

Summary Table of ISGS Site No. 2518-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	RR-20(0.5-1.5)-101413	RR-22(0.5-1.5)-101413	RR-27(0.5-1.5)-101513	RR-29(0.5-1.5)-101413	RR-30(0.5-1.5)-101413	RR-53(0.5-1.5)-101513	Soil Reference Concentrations[A]
Sample Date	10/14/2013	10/14/2013	10/15/2013	10/14/2013	10/14/2013	10/15/2013	
Location ID	RR-20	RR-22	RR-27	RR-29	RR-30	RR-53	
Depth	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	
Parameter							
TCLP Metals (mg/l)							
Barium, TCLP	1.1 B	0.25 J	0.43 J	1.1	0.85	0.23 J	2
Cadmium, TCLP	0.0023 J	ND	0.0022 J	ND	ND	0.0027 J	0.005
Cobalt, TCLP	ND	0.0069 J	ND	ND	ND	0.007 J	1
Copper, TCLP	0.026	ND	ND	0.046	0.026	ND	0.65
Iron, TCLP	0.3	0.21	ND	ND	ND	0.26	5
Manganese, TCLP	0.14	1.4	0.21	0.41	0.024 J	1.3	0.15
Nickel, TCLP	ND	0.011 J	ND	ND	ND	0.019 J	0.1
Zinc, TCLP	0.76 B	ND	0.05 J	0.6 B	0.49 B	0.14	5
SPLP Metals (mg/l)							
Arsenic, SPLP	ND	ND	ND	ND	0.048 J	ND	0.05
Barium, SPLP	0.94 B	ND	0.066 J	0.77 B	0.8 B	0.089 J	2
Chromium, SPLP	0.014 J	0.014 J	ND	0.017 J	0.083	0.012 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	0.021 J	ND	1
Copper, SPLP	0.024 J	0.013 J	0.014 J	0.033	0.096	0.024 J	0.65
Iron, SPLP	9.8	10	2.1	11	80	8.8	5
Lead, SPLP	0.045	0.017	0.1	0.014	0.16	0.042	0.0075
Manganese, SPLP	0.099	0.091	0.092	0.11	0.47	0.073	0.15
Mercury, SPLP	ND	0.000029 J	0.000051 J	0.000045 J	0.00012 J	0.000037 J	0.002
Nickel, SPLP	ND	ND	ND	ND	0.075	0.011 J	0.1
Zinc, SPLP	0.73 B	ND	0.067 J	0.66 B	0.8 B	0.1	5

Notes:
--- - not applicable or value not available.
[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.
ND - Constituent not detected above the reporting limit.
B - Constituent detected in the blank and investigative sample.
J - Estimated concentration.
J- - Estimated concentration biased low.
J+ - Estimated concentration biased high.
^ - Instrument related Quality Control (QC) exceeded the control limits.
Shaded values indicate concentration **exceeds** Reference Concentration.

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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: 500-64901-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/28/2013 5:04:40 PM

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Client Sample ID: RR-22(0.5-1.5)-101413
Date Collected: 10/14/13 09:50
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64901-5
Matrix: Solid
Percent Solids: 93.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.3	ug/Kg			10/17/13 13:14	1
Benzene	<5.4		5.4	0.74	ug/Kg			10/17/13 13:14	1
Bromodichloromethane	<5.4		5.4	0.93	ug/Kg			10/17/13 13:14	1
Bromoform	<5.4		5.4	1.2	ug/Kg			10/17/13 13:14	1
Bromomethane	<5.4		5.4	1.6	ug/Kg			10/17/13 13:14	1
Carbon disulfide	<5.4		5.4	0.80	ug/Kg			10/17/13 13:14	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg			10/17/13 13:14	1
Chlorobenzene	<5.4		5.4	0.54	ug/Kg			10/17/13 13:14	1
Chloroethane	<5.4		5.4	1.5	ug/Kg			10/17/13 13:14	1
Chloroform	<5.4		5.4	0.62	ug/Kg			10/17/13 13:14	1
Chloromethane	<5.4		5.4	1.1	ug/Kg			10/17/13 13:14	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg			10/17/13 13:14	1
cis-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg			10/17/13 13:14	1
Dibromochloromethane	<5.4		5.4	0.93	ug/Kg			10/17/13 13:14	1
1,1-Dichloroethane	<5.4		5.4	0.85	ug/Kg			10/17/13 13:14	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg			10/17/13 13:14	1
1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg			10/17/13 13:14	1
1,2-Dichloropropane	<5.4		5.4	0.82	ug/Kg			10/17/13 13:14	1
1,3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg			10/17/13 13:14	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg			10/17/13 13:14	1
2-Hexanone	<5.4		5.4	1.5	ug/Kg			10/17/13 13:14	1
Methylene Chloride	<5.4		5.4	1.5	ug/Kg			10/17/13 13:14	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg			10/17/13 13:14	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg			10/17/13 13:14	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg			10/17/13 13:14	1
Styrene	<5.4		5.4	0.70	ug/Kg			10/17/13 13:14	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg			10/17/13 13:14	1
Tetrachloroethene	<5.4		5.4	0.82	ug/Kg			10/17/13 13:14	1
Toluene	<5.4		5.4	0.75	ug/Kg			10/17/13 13:14	1
trans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg			10/17/13 13:14	1
trans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg			10/17/13 13:14	1
1,1,1-Trichloroethane	<5.4		5.4	0.80	ug/Kg			10/17/13 13:14	1
1,1,2-Trichloroethane	<5.4		5.4	0.73	ug/Kg			10/17/13 13:14	1
Trichloroethene	<5.4		5.4	0.89	ug/Kg			10/17/13 13:14	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg			10/17/13 13:14	1
Xylenes, Total	<11		11	0.49	ug/Kg			10/17/13 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 122*		*10/17/13 13:14*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*10/17/13 13:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*10/17/13 13:14*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*10/17/13 13:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	39	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
1,2-Dichlorobenzene	<170		170	37	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
1,3-Dichlorobenzene	<170		170	36	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
1,4-Dichlorobenzene	<170		170	36	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2,2'-oxybis[1-chloropropane]	<170		170	38	ug/Kg		10/18/13 07:23	10/22/13 12:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Client Sample ID: RR-22(0.5-1.5)-101413
Date Collected: 10/14/13 09:50
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64901-5
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	98	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2,4,6-Trichlorophenol	<340		340	43	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2,4-Dichlorophenol	<340		340	100	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2,4-Dimethylphenol	<340		340	110	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2,4-Dinitrophenol	<690		690	170	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2,4-Dinitrotoluene	<170		170	52	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2,6-Dinitrotoluene	<170		170	41	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2-Chloronaphthalene	<170		170	38	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2-Chlorophenol	<170		170	49	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2-Methylnaphthalene	<170		170	44	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2-Methylphenol	<170		170	45	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2-Nitroaniline	<170		170	61	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
2-Nitrophenol	<340		340	54	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
3 & 4 Methylphenol	<170		170	65	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
3,3'-Dichlorobenzidine	<170		170	28	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
3-Nitroaniline	<340		340	66	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
4,6-Dinitro-2-methylphenol	<340		340	93	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
4-Bromophenyl phenyl ether	<170		170	38	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
4-Chloro-3-methylphenol	<340		340	160	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
4-Chloroaniline	<690		690	100	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
4-Chlorophenyl phenyl ether	<170		170	54	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
4-Nitroaniline	<340		340	70	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
4-Nitrophenol	<690		690	180	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Acenaphthene	<34		34	10	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Acenaphthylene	<34		34	7.8	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Anthracene	15	J	34	8.0	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Benzo[a]anthracene	150		34	7.2	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Benzo[a]pyrene	130		34	6.2	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Benzo[b]fluoranthene	200		34	6.6	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Benzo[g,h,i]perylene	110		34	12	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Benzo[k]fluoranthene	85		34	8.1	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Bis(2-chloroethoxy)methane	<170		170	38	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Bis(2-ethylhexyl) phthalate	<170		170	45	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Butyl benzyl phthalate	<170		170	43	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Carbazole	<170		170	48	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Chrysene	160		34	7.7	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Dibenz(a,h)anthracene	32	J	34	9.5	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Dibenzofuran	<170		170	41	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Diethyl phthalate	<170		170	57	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Dimethyl phthalate	<170		170	43	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Di-n-butyl phthalate	<170		170	43	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Di-n-octyl phthalate	<170		170	69	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Fluoranthene	240		34	14	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Fluorene	<34		34	7.8	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Hexachlorobenzene	<69		69	6.7	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Hexachlorobutadiene	<170		170	45	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Hexachlorocyclopentadiene	<690		690	160	ug/Kg		10/18/13 07:23	10/22/13 12:37	1
Hexachloroethane	<170		170	36	ug/Kg		10/18/13 07:23	10/22/13 12:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Client Sample ID: RR-22(0.5-1.5)-101413
Date Collected: 10/14/13 09:50
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64901-5
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	80		34	12	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
Isophorone	<170		170	38	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
Naphthalene	<34		34	6.6	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
Nitrobenzene	<34		34	11	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
N-Nitrosodi-n-propylamine	<170		170	43	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
N-Nitrosodiphenylamine	<170		170	46	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
Pentachlorophenol	<690		690	170	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
Phenanthrene	100		34	14	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
Phenol	<170		170	54	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1
Pyrene	240		34	12	ug/Kg	☼	10/18/13 07:23	10/22/13 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 137*	*10/18/13 07:23*	*10/22/13 12:37*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*10/18/13 07:23*	*10/22/13 12:37*	*1*
2-Fluorophenol	*40*		*25 - 110*	*10/18/13 07:23*	*10/22/13 12:37*	*1*
Nitrobenzene-d5	*56*		*25 - 115*	*10/18/13 07:23*	*10/22/13 12:37*	*1*
Phenol-d5	*48*		*31 - 110*	*10/18/13 07:23*	*10/22/13 12:37*	*1*
Terphenyl-d14	*99*		*36 - 134*	*10/18/13 07:23*	*10/22/13 12:37*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/13 11:00	10/23/13 17:40	1
Barium	0.25	J B	0.50	0.010	mg/L		10/22/13 11:00	10/23/13 17:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/13 11:00	10/23/13 17:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/22/13 11:00	10/23/13 17:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:40	1
Cobalt	0.0069	J	0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 17:40	1
Copper	<0.025		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:40	1
Iron	0.21		0.20	0.20	mg/L		10/22/13 11:00	10/23/13 17:40	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/22/13 11:00	10/23/13 17:40	1
Manganese	1.4		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:40	1
Nickel	0.011	J	0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:40	1
Selenium	0.015	J B	0.050	0.010	mg/L		10/22/13 11:00	10/23/13 17:40	1
Silver	<0.025		0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 17:40	1
Zinc	0.042	J B	0.10	0.020	mg/L		10/22/13 11:00	10/23/13 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/13 11:00	10/23/13 19:50	1
Barium	0.10	J B	0.50	0.010	mg/L		10/22/13 11:00	10/23/13 19:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/13 11:00	10/23/13 19:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/22/13 11:00	10/23/13 19:50	1
Chromium	0.014	J	0.025	0.010	mg/L		10/22/13 11:00	10/23/13 19:50	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 19:50	1
Copper	0.013	J	0.025	0.010	mg/L		10/22/13 11:00	10/23/13 19:50	1
Iron	10		0.20	0.20	mg/L		10/22/13 11:00	10/23/13 19:50	1
Lead	0.017		0.0075	0.0050	mg/L		10/22/13 11:00	10/23/13 19:50	1
Manganese	0.091		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 19:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 19:50	1
Selenium	<0.050		0.050	0.010	mg/L		10/22/13 11:00	10/23/13 19:50	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Client Sample ID: RR-22(0.5-1.5)-101413
Date Collected: 10/14/13 09:50
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64901-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 19:50	1
Zinc	0.073	J B	0.10	0.020	mg/L		10/22/13 11:00	10/23/13 19:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3000	B	10	0.96	mg/Kg	☼	10/16/13 16:30	10/18/13 15:17	1
Antimony	<5.2		5.2	2.1	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Arsenic	5.6		2.6	0.52	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Barium	21		2.6	0.28	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Beryllium	0.33	J	1.0	0.092	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Cadmium	0.10	J	0.52	0.066	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Calcium	160000	B	52	14	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Chromium	5.8		0.52	0.061	mg/Kg	☼	10/16/13 16:30	10/18/13 15:17	1
Cobalt	3.5		1.3	0.093	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Copper	10	B	2.6	0.23	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Iron	9300		52	21	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Lead	17		1.3	0.39	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Magnesium	93000	B	26	5.4	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Manganese	340		2.6	0.14	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Nickel	9.9		2.6	0.26	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Potassium	1500		26	1.6	mg/Kg	☼	10/16/13 16:30	10/18/13 15:17	1
Selenium	<2.6		2.6	0.93	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Silver	<1.3		1.3	0.094	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Sodium	400		52	7.0	mg/Kg	☼	10/16/13 16:30	10/18/13 15:17	1
Strontium	50	^	0.26	0.010	mg/Kg	☼	10/16/13 16:30	10/18/13 15:17	1
Thallium	<2.6		2.6	1.1	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Vanadium	9.3	B	1.3	0.19	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5
Zinc	28	B	5.2	1.1	mg/Kg	☼	10/16/13 16:30	10/22/13 15:13	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/22/13 15:45	10/23/13 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029	J	0.20	0.020	ug/L		10/22/13 15:45	10/23/13 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16		16	7.5	ug/Kg	☼	10/17/13 15:15	10/18/13 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.80		0.200	0.200	SU			10/21/13 11:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Client Sample ID: RR-20(0.5-1.5)-101413
Date Collected: 10/14/13 10:15
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64901-7
Matrix: Solid
Percent Solids: 82.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg			10/17/13 13:59	1
Benzene	<6.0		6.0	0.83	ug/Kg			10/17/13 13:59	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg			10/17/13 13:59	1
Bromoform	<6.0		6.0	1.4	ug/Kg			10/17/13 13:59	1
Bromomethane	<6.0		6.0	1.8	ug/Kg			10/17/13 13:59	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg			10/17/13 13:59	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg			10/17/13 13:59	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg			10/17/13 13:59	1
Chloroethane	<6.0		6.0	1.6	ug/Kg			10/17/13 13:59	1
Chloroform	<6.0		6.0	0.70	ug/Kg			10/17/13 13:59	1
Chloromethane	<6.0		6.0	1.3	ug/Kg			10/17/13 13:59	1
cis-1,2-Dichloroethene	<6.0		6.0	0.86	ug/Kg			10/17/13 13:59	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg			10/17/13 13:59	1
Dibromochloromethane	<6.0		6.0	1.1	ug/Kg			10/17/13 13:59	1
1,1-Dichloroethane	<6.0		6.0	0.96	ug/Kg			10/17/13 13:59	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg			10/17/13 13:59	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg			10/17/13 13:59	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg			10/17/13 13:59	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg			10/17/13 13:59	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg			10/17/13 13:59	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg			10/17/13 13:59	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg			10/17/13 13:59	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg			10/17/13 13:59	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg			10/17/13 13:59	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg			10/17/13 13:59	1
Styrene	<6.0		6.0	0.79	ug/Kg			10/17/13 13:59	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg			10/17/13 13:59	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg			10/17/13 13:59	1
Toluene	<6.0		6.0	0.85	ug/Kg			10/17/13 13:59	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg			10/17/13 13:59	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg			10/17/13 13:59	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg			10/17/13 13:59	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg			10/17/13 13:59	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg			10/17/13 13:59	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg			10/17/13 13:59	1
Xylenes, Total	<12		12	0.55	ug/Kg			10/17/13 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*10/17/13 13:59*	*1*
Dibromofluoromethane	*119*		*75 - 120*		*10/17/13 13:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*10/17/13 13:59*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/17/13 13:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<980		980	220	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
1,2-Dichlorobenzene	<980		980	210	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
1,3-Dichlorobenzene	<980		980	210	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
1,4-Dichlorobenzene	<980		980	210	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2,2'-oxybis[1-chloropropane]	<980		980	220	ug/Kg		10/18/13 07:23	10/22/13 13:33	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Client Sample ID: RR-20(0.5-1.5)-101413
Date Collected: 10/14/13 10:15
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64901-7
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1900		1900	560	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2,4,6-Trichlorophenol	<1900		1900	250	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2,4-Dichlorophenol	<1900		1900	590	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2,4-Dimethylphenol	<1900		1900	610	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2,4-Dinitrophenol	<3900		3900	1000	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2,4-Dinitrotoluene	<980		980	300	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2,6-Dinitrotoluene	<980		980	230	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2-Chloronaphthalene	<980		980	220	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2-Chlorophenol	<980		980	280	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2-Methylnaphthalene	<980		980	250	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2-Methylphenol	<980		980	260	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2-Nitroaniline	<980		980	350	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
2-Nitrophenol	<1900		1900	310	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
3 & 4 Methylphenol	<980		980	370	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
3,3'-Dichlorobenzidine	<980		980	160	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
3-Nitroaniline	<1900		1900	380	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
4,6-Dinitro-2-methylphenol	<1900		1900	470	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
4-Bromophenyl phenyl ether	<980		980	220	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
4-Chloro-3-methylphenol	<1900		1900	940	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
4-Chloroaniline	<3900		3900	590	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
4-Chlorophenyl phenyl ether	<980		980	310	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
4-Nitroaniline	<1900		1900	400	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
4-Nitrophenol	<3900		3900	1100	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Acenaphthene	<190		190	58	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Acenaphthylene	<190		190	45	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Anthracene	<190		190	46	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Benzo[a]anthracene	290		190	41	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Benzo[a]pyrene	290		190	36	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Benzo[b]fluoranthene	420		190	38	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Benzo[g,h,i]perylene	330		190	66	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Benzo[k]fluoranthene	140	J	190	47	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Bis(2-chloroethoxy)methane	<980		980	220	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Bis(2-chloroethyl)ether	<980		980	290	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Bis(2-ethylhexyl) phthalate	<980		980	260	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Butyl benzyl phthalate	<980		980	240	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Carbazole	<980		980	270	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Chrysene	380		190	44	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Dibenz(a,h)anthracene	110	J	190	55	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Dibenzofuran	<980		980	230	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Diethyl phthalate	<980		980	330	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Dimethyl phthalate	<980		980	240	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Di-n-butyl phthalate	<980		980	250	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Di-n-octyl phthalate	<980		980	400	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Fluoranthene	220		190	80	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Fluorene	<190		190	44	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Hexachlorobenzene	<390		390	38	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Hexachlorobutadiene	<980		980	260	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Hexachlorocyclopentadiene	<3900		3900	910	ug/Kg		10/18/13 07:23	10/22/13 13:33	5
Hexachloroethane	<980		980	210	ug/Kg		10/18/13 07:23	10/22/13 13:33	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Client Sample ID: RR-20(0.5-1.5)-101413
Date Collected: 10/14/13 10:15
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64901-7
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	180	J	190	66	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
Isophorone	<980		980	220	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
Naphthalene	<190		190	38	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
Nitrobenzene	<190		190	61	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
N-Nitrosodi-n-propylamine	<980		980	250	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
N-Nitrosodiphenylamine	<980		980	260	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
Pentachlorophenol	<3900		3900	990	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
Phenanthrene	100	J	190	82	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
Phenol	<980		980	310	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5
Pyrene	280		190	71	ug/Kg	☼	10/18/13 07:23	10/22/13 13:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*10/18/13 07:23*	*10/22/13 13:33*	*5*
2-Fluorobiphenyl	*61*		*25 - 119*	*10/18/13 07:23*	*10/22/13 13:33*	*5*
2-Fluorophenol	*47*		*25 - 110*	*10/18/13 07:23*	*10/22/13 13:33*	*5*
Nitrobenzene-d5	*53*		*25 - 115*	*10/18/13 07:23*	*10/22/13 13:33*	*5*
Phenol-d5	*51*		*31 - 110*	*10/18/13 07:23*	*10/22/13 13:33*	*5*
Terphenyl-d14	*80*		*36 - 134*	*10/18/13 07:23*	*10/22/13 13:33*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
Barium	1.1	B	0.50	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/13 11:00	10/23/13 17:50	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		10/22/13 11:00	10/23/13 17:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 17:50	1
Copper	0.026		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
Iron	0.30		0.20	0.20	mg/L		10/22/13 11:00	10/23/13 17:50	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/22/13 11:00	10/23/13 17:50	1
Manganese	0.14		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
Selenium	0.011	J B	0.050	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
Silver	<0.025		0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 17:50	1
Zinc	0.76	B	0.10	0.020	mg/L		10/22/13 11:00	10/23/13 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/13 11:00	10/23/13 19:58	1
Barium	0.94	B	0.50	0.010	mg/L		10/22/13 11:00	10/23/13 19:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/13 11:00	10/23/13 19:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/22/13 11:00	10/23/13 19:58	1
Chromium	0.014	J	0.025	0.010	mg/L		10/22/13 11:00	10/23/13 19:58	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 19:58	1
Copper	0.024	J	0.025	0.010	mg/L		10/22/13 11:00	10/23/13 19:58	1
Iron	9.8		0.20	0.20	mg/L		10/22/13 11:00	10/23/13 19:58	1
Lead	0.045		0.0075	0.0050	mg/L		10/22/13 11:00	10/23/13 19:58	1
Manganese	0.099		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 19:58	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 19:58	1
Selenium	<0.050		0.050	0.010	mg/L		10/22/13 11:00	10/23/13 19:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Client Sample ID: RR-20(0.5-1.5)-101413
Date Collected: 10/14/13 10:15
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64901-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 19:58	1
Zinc	0.73	B	0.10	0.020	mg/L		10/22/13 11:00	10/23/13 19:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5300	B	12	1.1	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Antimony	0.61	J	1.2	0.48	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Arsenic	10		0.60	0.12	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Barium	60		0.60	0.064	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Beryllium	0.44		0.24	0.021	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Cadmium	0.48		0.12	0.015	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Calcium	98000	B	120	32	mg/Kg	☼	10/16/13 16:30	10/22/13 15:19	10
Chromium	20		0.60	0.069	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Cobalt	5.1		0.30	0.021	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Copper	29	B	0.60	0.053	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Iron	12000		12	4.9	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Lead	120		0.30	0.089	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Magnesium	47000	B	6.0	1.2	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Manganese	440		0.60	0.032	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Nickel	12		0.60	0.059	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Potassium	1700		30	1.8	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Sodium	720		60	8.0	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Strontium	39	^	0.30	0.012	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Thallium	0.27	J	0.60	0.25	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Vanadium	15	B	0.30	0.044	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1
Zinc	84	B	1.2	0.24	mg/Kg	☼	10/16/13 16:30	10/18/13 15:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/22/13 15:45	10/23/13 10:31	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		10/22/13 15:45	10/23/13 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	55		18	8.3	ug/Kg	☼	10/17/13 15:15	10/18/13 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.23		0.200	0.200	SU			10/21/13 11:21	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
POL	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 - New Avenue - 021

TestAmerica Job ID: 500-64901-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-64901 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 7565 Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record
Lab Job #: 500-64901
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.4

Client: Weston Solutions Inc
Client Project #:
Project Name: IDOT-021 New Avenue
Project Location/State: Lemont IL
Lab Project #:
Sampler: M. Doheny-Skubel
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH	Comments
1		RR-26(0.5-1.5)-101413	10-14-13	0855	2	S		X	X	X	X	X	
2		RR-25(0.5-1.5)-101413	10-14-13	0910	2	S		X	X	X	X	X	
3		RR-24(0.5-1.5)-101413	10-14-13	0925	2	S		X	X	X	X	X	
4		RR-23(0.5-1.5)-101413	10-14-13	0938	2	S		X	X	X	X	X	
5		RR-22(0.5-1.5)-101413	10-14-13	0950	2	S		X	X	X	X	X	
6		RR-21(0.5-1.5)-101413	10-14-13	1000	2	S		X	X	X	X	X	
7		RR-20(0.5-1.5)-101413	10-14-13	1015	2	S		X	X	X	X	X	
8		RR-19(0.5-1.5)-101413	10-14-13	1030	2	S		X	X	X	X	X	
9		RR-18(0.5-1.5)-101413	10-14-13	1040	2	S		X	X	X	X	X	
10		RR-18(0.5-1.5)-101413D	10-14-13	1040	2	S		X	X	X	X	X	

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

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

	Company	Date	Time
Relinquished By	Weston	10-14-13	1554
Relinquished By	TA	10-14-13	1655
Relinquished By			
Received By	TA	10/14/13	1554
Received By	TA	10/15/13	0600
Received By			

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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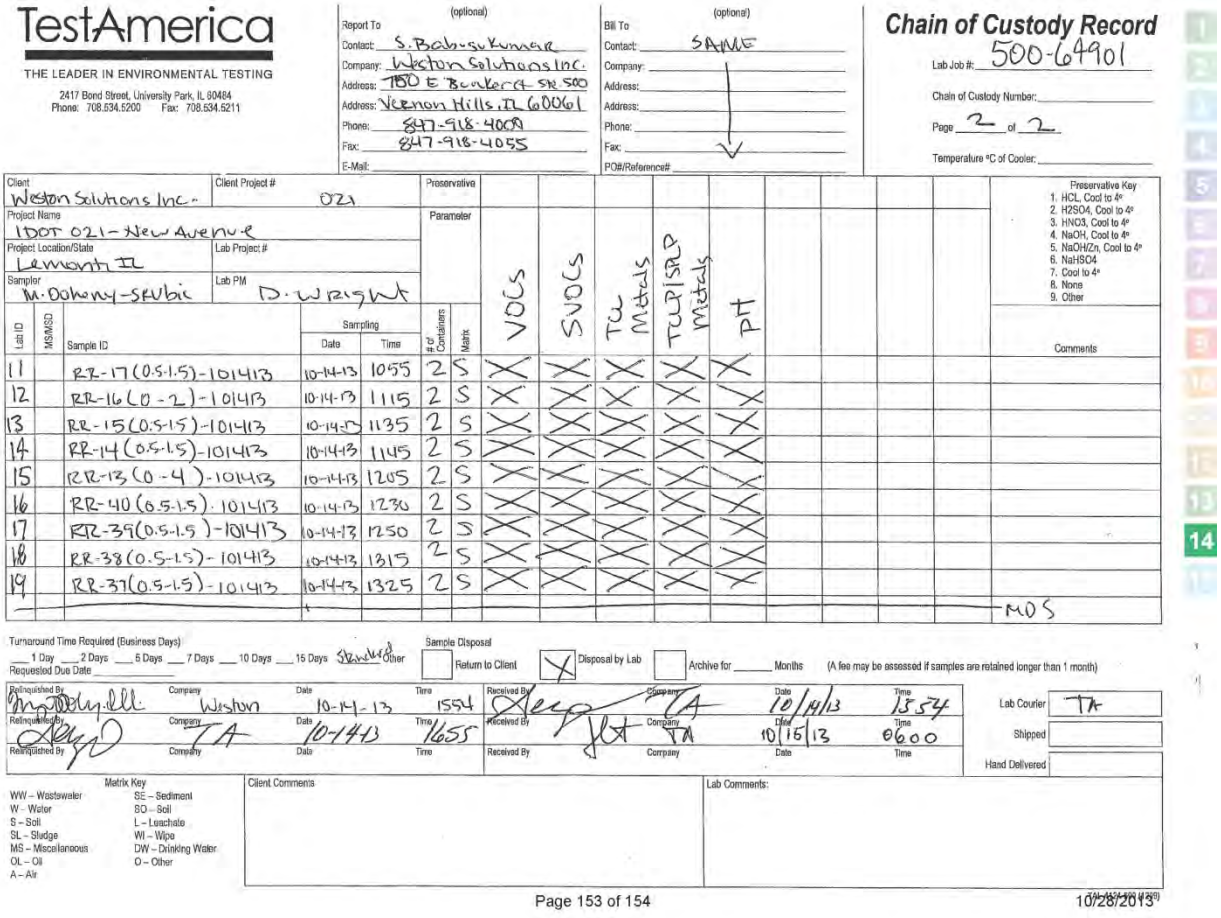
10/28/2013



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. Balasubramanian
Company: Weston Solutions Inc.
Address: 1500 E Bunker Ct Ste 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4068
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record
Lab Job #: 500-64901
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston Solutions Inc. | Client Project #: 021
Project Name: IDOT 021 - New Avenue
Project Location/State: Lemont IL | Lab Project #:
Sampler: M. Doheny-Skubic | Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TAL Metals	TCLP RCRA Metals	PH	Comments
11		RR-17 (0.5-1.5)-101413	10-14-13	1055	2	S	X	X	X	X	X	
12		RR-16 (0-2)-101413	10-14-13	1115	2	S	X	X	X	X	X	
13		RR-15 (0.5-1.5)-101413	10-14-13	1135	2	S	X	X	X	X	X	
14		RR-14 (0.5-1.5)-101413	10-14-13	1145	2	S	X	X	X	X	X	
15		RR-13 (0-4)-101413	10-14-13	1205	2	S	X	X	X	X	X	
16		RR-40 (0.5-1.5)-101413	10-14-13	1230	2	S	X	X	X	X	X	
17		RR-39 (0.5-1.5)-101413	10-14-13	1250	2	S	X	X	X	X	X	
18		RR-38 (0.5-1.5)-101413	10-14-13	1315	2	S	X	X	X	X	X	
19		RR-37 (0.5-1.5)-101413	10-14-13	1325	2	S	X	X	X	X	X	
												MDS

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10-14-13	1554		TA	10/14/13	1554
	TA	10-14-13	1655		TA	10/15/13	0600

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-64981-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2013 11:53:11 AM

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: RR-27(0.5-1.5)-101513
Date Collected: 10/15/13 08:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-1
Matrix: Solid
Percent Solids: 91.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.1		5.5	2.4	ug/Kg			10/22/13 18:57	1
Benzene	<5.5		5.5	0.75	ug/Kg			10/22/13 18:57	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg			10/22/13 18:57	1
Bromoform	<5.5		5.5	1.3	ug/Kg			10/22/13 18:57	1
Bromomethane	<5.5		5.5	1.6	ug/Kg			10/22/13 18:57	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg			10/22/13 18:57	1
Carbon tetrachloride	<5.5		5.5	0.99	ug/Kg			10/22/13 18:57	1
Chlorobenzene	<5.5		5.5	0.55	ug/Kg			10/22/13 18:57	1
Chloroethane	<5.5		5.5	1.5	ug/Kg			10/22/13 18:57	1
Chloroform	<5.5		5.5	0.63	ug/Kg			10/22/13 18:57	1
Chloromethane	<5.5		5.5	1.1	ug/Kg			10/22/13 18:57	1
cis-1,2-Dichloroethene	<5.5		5.5	0.77	ug/Kg			10/22/13 18:57	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg			10/22/13 18:57	1
Dibromochloromethane	<5.5		5.5	0.95	ug/Kg			10/22/13 18:57	1
1,1-Dichloroethane	<5.5		5.5	0.86	ug/Kg			10/22/13 18:57	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg			10/22/13 18:57	1
1,1-Dichloroethene	<5.5		5.5	0.88	ug/Kg			10/22/13 18:57	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg			10/22/13 18:57	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg			10/22/13 18:57	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg			10/22/13 18:57	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg			10/22/13 18:57	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg			10/22/13 18:57	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg			10/22/13 18:57	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg			10/22/13 18:57	1
Methyl tert-butyl ether	<5.5		5.5	0.90	ug/Kg			10/22/13 18:57	1
Styrene	<5.5		5.5	0.72	ug/Kg			10/22/13 18:57	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg			10/22/13 18:57	1
Tetrachloroethene	<5.5		5.5	0.83	ug/Kg			10/22/13 18:57	1
Toluene	<5.5		5.5	0.76	ug/Kg			10/22/13 18:57	1
trans-1,2-Dichloroethene	<5.5		5.5	0.75	ug/Kg			10/22/13 18:57	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg			10/22/13 18:57	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg			10/22/13 18:57	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg			10/22/13 18:57	1
Trichloroethene	<5.5		5.5	0.90	ug/Kg			10/22/13 18:57	1
Vinyl chloride	<5.5		5.5	1.1	ug/Kg			10/22/13 18:57	1
Xylenes, Total	<11		11	0.49	ug/Kg			10/22/13 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 122*		*10/22/13 18:57*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/22/13 18:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 134*		*10/22/13 18:57*	*1*
Toluene-d8 (Surr)	*104*		*75 - 122*		*10/22/13 18:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1700		1700	390	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
1,2-Dichlorobenzene	<1700		1700	380	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
1,3-Dichlorobenzene	<1700		1700	360	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
1,4-Dichlorobenzene	<1700		1700	360	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2,2'-oxybis[1-chloropropane]	<1700		1700	380	ug/Kg		10/18/13 17:30	10/24/13 21:22	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: RR-27(0.5-1.5)-101513
Date Collected: 10/15/13 08:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-1
Matrix: Solid
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<3400		3400	990	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2,4,6-Trichlorophenol	<3400		3400	430	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2,4-Dichlorophenol	<3400		3400	1000	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2,4-Dimethylphenol	<3400		3400	1100	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2,4-Dinitrophenol	<7000		7000	1800	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2,4-Dinitrotoluene	<1700		1700	530	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2,6-Dinitrotoluene	<1700		1700	410	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2-Chloronaphthalene	<1700		1700	390	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2-Chlorophenol	<1700		1700	490	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2-Methylnaphthalene	<1700		1700	450	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2-Methylphenol	<1700		1700	460	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2-Nitroaniline	<1700		1700	620	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
2-Nitrophenol	<3400		3400	540	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
3 & 4 Methylphenol	<1700		1700	650	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
3,3'-Dichlorobenzidine	<1700		1700	290	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
3-Nitroaniline	<3400		3400	670	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
4,6-Dinitro-2-methylphenol	<3400		3400	840	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
4-Bromophenyl phenyl ether	<1700		1700	390	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
4-Chloro-3-methylphenol	<3400		3400	1700	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
4-Chloroaniline	<7000		7000	1000	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
4-Chlorophenyl phenyl ether	<1700		1700	540	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
4-Nitroaniline	<3400		3400	710	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
4-Nitrophenol	<7000		7000	1900	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Acenaphthene	<340		340	100	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Acenaphthylene	<340		340	79	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Anthracene	<340		340	81	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Benzo[a]anthracene	420		340	72	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Benzo[a]pyrene	370		340	63	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Benzo[b]fluoranthene	490		340	67	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Benzo[g,h,i]perylene	370		340	120	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Benzo[k]fluoranthene	230	J	340	82	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Bis(2-chloroethoxy)methane	<1700		1700	380	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Bis(2-chloroethyl)ether	<1700		1700	510	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Bis(2-ethylhexyl) phthalate	<1700		1700	460	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Butyl benzyl phthalate	<1700		1700	430	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Carbazole	<1700		1700	490	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Chrysene	470		340	78	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Dibenz(a,h)anthracene	97	J	340	96	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Dibenzofuran	<1700		1700	410	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Diethyl phthalate	<1700		1700	580	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Dimethyl phthalate	<1700		1700	430	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Di-n-butyl phthalate	<1700		1700	440	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Di-n-octyl phthalate	<1700		1700	700	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Fluoranthene	630		340	140	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Fluorene	<340		340	78	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Hexachlorobenzene	<700		700	68	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Hexachlorobutadiene	<1700		1700	450	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Hexachlorocyclopentadiene	<7000		7000	1600	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Hexachloroethane	<1700		1700	370	ug/Kg		10/18/13 17:30	10/24/13 21:22	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: RR-27(0.5-1.5)-101513
Date Collected: 10/15/13 08:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-1
Matrix: Solid
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	230	J	340	120	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
Isophorone	<1700		1700	380	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
Naphthalene	<340		340	66	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
Nitrobenzene	<340		340	110	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
N-Nitrosodi-n-propylamine	<1700		1700	440	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
N-Nitrosodiphenylamine	<1700		1700	470	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
Pentachlorophenol	<7000		7000	1800	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
Phenanthrene	300	J	340	140	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
Phenol	<1700		1700	550	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10
Pyrene	590		340	120	ug/Kg	☼	10/18/13 17:30	10/24/13 21:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*35 - 137*	*10/18/13 17:30*	*10/24/13 21:22*	*10*
2-Fluorobiphenyl	*83*		*25 - 119*	*10/18/13 17:30*	*10/24/13 21:22*	*10*
2-Fluorophenol	*92*		*25 - 110*	*10/18/13 17:30*	*10/24/13 21:22*	*10*
Nitrobenzene-d5	*100*		*25 - 115*	*10/18/13 17:30*	*10/24/13 21:22*	*10*
Phenol-d5	*94*		*31 - 110*	*10/18/13 17:30*	*10/24/13 21:22*	*10*
Terphenyl-d14	*91*		*36 - 134*	*10/18/13 17:30*	*10/24/13 21:22*	*10*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/13 08:00	10/26/13 01:13	1
Barium	0.43	J B	0.50	0.010	mg/L		10/25/13 08:00	10/26/13 01:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/13 08:00	10/26/13 01:13	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		10/25/13 08:00	10/26/13 01:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 01:13	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 01:13	1
Copper	<0.025		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 01:13	1
Iron	<0.20		0.20	0.20	mg/L		10/25/13 08:00	10/26/13 01:13	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/25/13 08:00	10/26/13 01:13	1
Manganese	0.21		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 01:13	1
Nickel	<0.025		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 01:13	1
Selenium	<0.050		0.050	0.010	mg/L		10/25/13 08:00	10/26/13 01:13	1
Silver	<0.025		0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 01:13	1
Zinc	0.050	J	0.10	0.020	mg/L		10/25/13 08:00	10/26/13 01:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 02:58	1
Barium	0.066	J	0.50	0.010	mg/L		10/27/13 14:30	10/29/13 02:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/29/13 02:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/13 14:30	10/29/13 02:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 02:58	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 02:58	1
Copper	0.014	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 02:58	1
Iron	2.1		0.20	0.20	mg/L		10/27/13 14:30	10/29/13 02:58	1
Lead	0.10		0.0075	0.0050	mg/L		10/27/13 14:30	10/29/13 02:58	1
Manganese	0.092		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 02:58	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 02:58	1
Selenium	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 02:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: RR-27(0.5-1.5)-101513
Date Collected: 10/15/13 08:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 02:58	1
Zinc	0.067	J	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 02:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3700		11	0.98	mg/Kg	☼	10/17/13 09:45	10/19/13 01:52	1
Antimony	<5.3		5.3	2.1	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Arsenic	5.4		2.7	0.53	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Barium	38		2.7	0.28	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Beryllium	0.50	J	1.1	0.094	mg/Kg	☼	10/17/13 09:45	10/24/13 11:47	5
Cadmium	0.78		0.53	0.067	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Calcium	150000	B	53	14	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Chromium	10		2.7	0.31	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Cobalt	3.8		1.3	0.095	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Copper	18		2.7	0.24	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Iron	11000		53	22	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Lead	120	B	1.3	0.40	mg/Kg	☼	10/17/13 09:45	10/24/13 11:47	5
Magnesium	77000	B	27	5.5	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Manganese	350	B	2.7	0.14	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Nickel	10		2.7	0.26	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Potassium	1200		27	1.6	mg/Kg	☼	10/17/13 09:45	10/19/13 01:52	1
Selenium	<2.7		2.7	0.94	mg/Kg	☼	10/17/13 09:45	10/24/13 11:47	5
Silver	<1.3		1.3	0.096	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Sodium	670		53	7.1	mg/Kg	☼	10/17/13 09:45	10/19/13 01:52	1
Strontium	48	B ^	0.27	0.011	mg/Kg	☼	10/17/13 09:45	10/19/13 01:52	1
Thallium	<2.7		2.7	1.1	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Vanadium	14	B	1.3	0.20	mg/Kg	☼	10/17/13 09:45	10/23/13 15:55	5
Zinc	70	B	5.3	1.1	mg/Kg	☼	10/17/13 09:45	10/24/13 11:47	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/25/13 15:20	10/28/13 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051	J	0.20	0.020	ug/L		10/29/13 12:00	10/29/13 17:06	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	50		17	8.0	ug/Kg	☼	10/18/13 15:00	10/21/13 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.24		0.200	0.200	SU			10/21/13 13:06	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: RR-53(0.5-1.5)-101513
Date Collected: 10/15/13 12:10
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-18
Matrix: Solid
Percent Solids: 93.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg			10/23/13 17:17	1
Benzene	<5.3		5.3	0.73	ug/Kg			10/23/13 17:17	1
Bromodichloromethane	<5.3		5.3	0.92	ug/Kg			10/23/13 17:17	1
Bromoform	<5.3		5.3	1.2	ug/Kg			10/23/13 17:17	1
Bromomethane	<5.3		5.3	1.6	ug/Kg			10/23/13 17:17	1
Carbon disulfide	<5.3		5.3	0.80	ug/Kg			10/23/13 17:17	1
Carbon tetrachloride	<5.3		5.3	0.97	ug/Kg			10/23/13 17:17	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg			10/23/13 17:17	1
Chloroethane	<5.3		5.3	1.4	ug/Kg			10/23/13 17:17	1
Chloroform	<5.3		5.3	0.61	ug/Kg			10/23/13 17:17	1
Chloromethane	<5.3		5.3	1.1	ug/Kg			10/23/13 17:17	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg			10/23/13 17:17	1
cis-1,3-Dichloropropene	<5.3		5.3	0.70	ug/Kg			10/23/13 17:17	1
Dibromochloromethane	<5.3		5.3	0.93	ug/Kg			10/23/13 17:17	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg			10/23/13 17:17	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg			10/23/13 17:17	1
1,1-Dichloroethene	<5.3		5.3	0.86	ug/Kg			10/23/13 17:17	1
1,2-Dichloropropane	<5.3		5.3	0.81	ug/Kg			10/23/13 17:17	1
1,3-Dichloropropene, Total	<5.3		5.3	0.70	ug/Kg			10/23/13 17:17	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg			10/23/13 17:17	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg			10/23/13 17:17	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg			10/23/13 17:17	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg			10/23/13 17:17	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg			10/23/13 17:17	1
Methyl tert-butyl ether	<5.3		5.3	0.88	ug/Kg			10/23/13 17:17	1
Styrene	<5.3		5.3	0.70	ug/Kg			10/23/13 17:17	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg			10/23/13 17:17	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg			10/23/13 17:17	1
Toluene	<5.3		5.3	0.75	ug/Kg			10/23/13 17:17	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg			10/23/13 17:17	1
trans-1,3-Dichloropropene	<5.3		5.3	0.95	ug/Kg			10/23/13 17:17	1
1,1,1-Trichloroethane	<5.3		5.3	0.80	ug/Kg			10/23/13 17:17	1
1,1,2-Trichloroethane	<5.3		5.3	0.73	ug/Kg			10/23/13 17:17	1
Trichloroethene	<5.3		5.3	0.88	ug/Kg			10/23/13 17:17	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg			10/23/13 17:17	1
Xylenes, Total	<11		11	0.48	ug/Kg			10/23/13 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 122*		*10/23/13 17:17*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*10/23/13 17:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 134*		*10/23/13 17:17*	*1*
Toluene-d8 (Surr)	*105*		*75 - 122*		*10/23/13 17:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
1,2-Dichlorobenzene	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
1,3-Dichlorobenzene	<860		860	180	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
1,4-Dichlorobenzene	<860		860	180	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2,2'-oxybis[1-chloropropane]	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 03:21	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: RR-53(0.5-1.5)-101513
Date Collected: 10/15/13 12:10
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-18
Matrix: Solid
Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1700		1700	490	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2,4,6-Trichlorophenol	<1700		1700	210	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2,4-Dichlorophenol	<1700		1700	520	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2,4-Dimethylphenol	<1700		1700	530	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2,4-Dinitrophenol	<3400		3400	870	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2,4-Dinitrotoluene	<860		860	260	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2,6-Dinitrotoluene	<860		860	200	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2-Chloronaphthalene	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2-Chlorophenol	<860		860	240	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2-Methylnaphthalene	<860		860	220	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2-Methylphenol	<860		860	230	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2-Nitroaniline	<860		860	310	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
2-Nitrophenol	<1700		1700	270	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
3 & 4 Methylphenol	<860		860	320	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
3,3'-Dichlorobenzidine	<860		860	140	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
3-Nitroaniline	<1700		1700	330	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
4,6-Dinitro-2-methylphenol	<1700		1700	410	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
4-Bromophenyl phenyl ether	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
4-Chloro-3-methylphenol	<1700		1700	810	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
4-Chloroaniline	<3400		3400	520	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
4-Chlorophenyl phenyl ether	<860		860	270	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
4-Nitroaniline	<1700		1700	350	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
4-Nitrophenol	<3400		3400	920	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Acenaphthene	<170		170	51	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Acenaphthylene	<170		170	39	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Anthracene	<170		170	40	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Benzo[a]anthracene	210		170	36	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Benzo[a]pyrene	210		170	31	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Benzo[b]fluoranthene	290		170	33	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Benzo[g,h,i]perylene	380		170	57	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Benzo[k]fluoranthene	92	J	170	41	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Bis(2-chloroethoxy)methane	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Bis(2-chloroethyl)ether	<860		860	250	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Bis(2-ethylhexyl) phthalate	<860		860	230	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Butyl benzyl phthalate	<860		860	210	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Carbazole	<860		860	240	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Chrysene	550		170	38	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Dibenz(a,h)anthracene	89	J	170	48	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Dibenzofuran	<860		860	200	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Diethyl phthalate	<860		860	280	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Dimethyl phthalate	<860		860	210	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Di-n-butyl phthalate	<860		860	210	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Di-n-octyl phthalate	<860		860	350	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Fluoranthene	210		170	70	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Fluorene	<170		170	39	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Hexachlorobenzene	<340		340	33	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Hexachlorobutadiene	<860		860	220	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Hexachlorocyclopentadiene	<3400		3400	790	ug/Kg		10/18/13 17:30	10/25/13 03:21	5
Hexachloroethane	<860		860	180	ug/Kg		10/18/13 17:30	10/25/13 03:21	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: RR-53(0.5-1.5)-101513
Date Collected: 10/15/13 12:10
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-18
Matrix: Solid
Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	130	J	170	57	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
Isophorone	<860		860	190	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
Naphthalene	<170		170	33	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
Nitrobenzene	<170		170	53	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
N-Nitrosodi-n-propylamine	<860		860	220	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
N-Nitrosodiphenylamine	<860		860	230	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
Pentachlorophenol	<3400		3400	870	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
Phenanthrene	220		170	71	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
Phenol	<860		860	270	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5
Pyrene	300		170	61	ug/Kg	☼	10/18/13 17:30	10/25/13 03:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 137*	*10/18/13 17:30*	*10/25/13 03:21*	*5*
2-Fluorobiphenyl	*76*		*25 - 119*	*10/18/13 17:30*	*10/25/13 03:21*	*5*
2-Fluorophenol	*75*		*25 - 110*	*10/18/13 17:30*	*10/25/13 03:21*	*5*
Nitrobenzene-d5	*79*		*25 - 115*	*10/18/13 17:30*	*10/25/13 03:21*	*5*
Phenol-d5	*68*		*31 - 110*	*10/18/13 17:30*	*10/25/13 03:21*	*5*
Terphenyl-d14	*81*		*36 - 134*	*10/18/13 17:30*	*10/25/13 03:21*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/13 08:00	10/26/13 03:10	1
Barium	0.23	J B	0.50	0.010	mg/L		10/25/13 08:00	10/26/13 03:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/13 08:00	10/26/13 03:10	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		10/25/13 08:00	10/26/13 03:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:10	1
Cobalt	0.0070	J	0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 03:10	1
Copper	<0.025		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:10	1
Iron	0.26		0.20	0.20	mg/L		10/25/13 08:00	10/26/13 03:10	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/25/13 08:00	10/26/13 03:10	1
Manganese	1.3		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:10	1
Nickel	0.019	J	0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:10	1
Selenium	<0.050		0.050	0.010	mg/L		10/25/13 08:00	10/26/13 20:48	1
Silver	<0.025		0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 03:10	1
Zinc	0.14		0.10	0.020	mg/L		10/25/13 08:00	10/26/13 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 04:34	1
Barium	0.089	J	0.50	0.010	mg/L		10/27/13 14:30	10/29/13 04:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/29/13 04:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/13 14:30	10/29/13 04:34	1
Chromium	0.012	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:34	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 04:34	1
Copper	0.024	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:34	1
Iron	8.8		0.20	0.20	mg/L		10/27/13 14:30	10/29/13 04:34	1
Lead	0.042		0.0075	0.0050	mg/L		10/27/13 14:30	10/29/13 04:34	1
Manganese	0.073		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:34	1
Nickel	0.011	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:34	1
Selenium	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 04:34	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: RR-53(0.5-1.5)-101513
Date Collected: 10/15/13 12:10
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 04:34	1
Zinc	0.10		0.10	0.020	mg/L		10/27/13 14:30	10/29/13 04:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2300		10	0.96	mg/Kg	☼	10/17/13 09:45	10/19/13 04:38	1
Antimony	<5.2		5.2	2.1	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Arsenic	3.5		2.6	0.52	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Barium	16		2.6	0.28	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Beryllium	0.23	J	1.0	0.092	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Cadmium	0.45	J	0.52	0.066	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Calcium	170000	B	52	14	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Chromium	5.9		0.52	0.061	mg/Kg	☼	10/17/13 09:45	10/19/13 04:38	1
Cobalt	2.5		1.3	0.093	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Copper	15		2.6	0.23	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Iron	6200		52	21	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Lead	36	B	1.3	0.39	mg/Kg	☼	10/17/13 09:45	10/24/13 13:36	5
Magnesium	100000	B	26	5.4	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Manganese	290	B	2.6	0.14	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Nickel	6.7		2.6	0.26	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Potassium	1000		26	1.6	mg/Kg	☼	10/17/13 09:45	10/19/13 04:38	1
Selenium	<2.6		2.6	0.93	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Silver	<1.3		1.3	0.094	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Sodium	400		52	7.0	mg/Kg	☼	10/17/13 09:45	10/19/13 04:38	1
Strontium	53	B ^	0.26	0.010	mg/Kg	☼	10/17/13 09:45	10/19/13 04:38	1
Thallium	<2.6		2.6	1.1	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Vanadium	9.2	B	1.3	0.19	mg/Kg	☼	10/17/13 09:45	10/23/13 18:49	5
Zinc	48	B	5.2	1.1	mg/Kg	☼	10/17/13 09:45	10/24/13 13:36	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/25/13 15:20	10/28/13 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037	J	0.20	0.020	ug/L		10/29/13 12:00	10/29/13 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	31		16	7.6	ug/Kg	☼	10/18/13 15:00	10/21/13 10:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.69		0.200	0.200	SU			10/22/13 08:40	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the 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.
F	MS/MSD Recovery and/or RPD exceeds the control limits
*	ISTD response or retention time outside acceptable limits

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-64981 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct Ste 500
Address: Vernon Hills, IL 60061
Phone: 847.918.4000
Fax: 847.918.4055
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-64981
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.7

Client: Weston Solutions Inc. | Client Project #: 021
Project Name: IDOT 021 - New Avenue
Project Location/State: Lemont IL | Lab Project #:
Sampler: M. Doheny-Skubic | Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH					Comments
1		RR-27(0.5-1.5)-101513	10-15-13	0815	2	S	X	X	X	X	X					
2		VL42-10(0.5-1.5)-101513	10-15-13	0845	2	S	X	X	X	X	X					
3		VL42-10(0.5-1.5)-101513D	10-15-13	0845	2	S	X	X	X	X	X					
4		VL42-9(0.5-1.5)-101513	10-15-13	0855	2	S	X	X	X	X	X					
5		VL42-8(0.5-1.5)-101513	10-15-13	0905	2	S	X	X	X	X	X					
6		VL42-7(0.5-1.5)-101513	10-15-13	0915	2	S	X	X	X	X	X					
7		VL42-6(0.5-1.5)-101513	10-15-13	0930	2	S	X	X	X	X	X					
8		VL42-5(0.5-1.5)-101513	10-15-13	0942	2	S	X	X	X	X	X					
9		VL42-4(0.5-1.0)-101513	10-15-13	1000	2	S	X	X	X	X	X					
10		VL42-3(0.5-1.0)-101513	10-15-13	1015	2	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
M. Doheny-Skubic	Weston	10-15-13	1525	[signature]	TA	10-15-13	1525
[signature]	TA	10-15-13	1620	[signature]	TA-CHI	10/16/13	0700

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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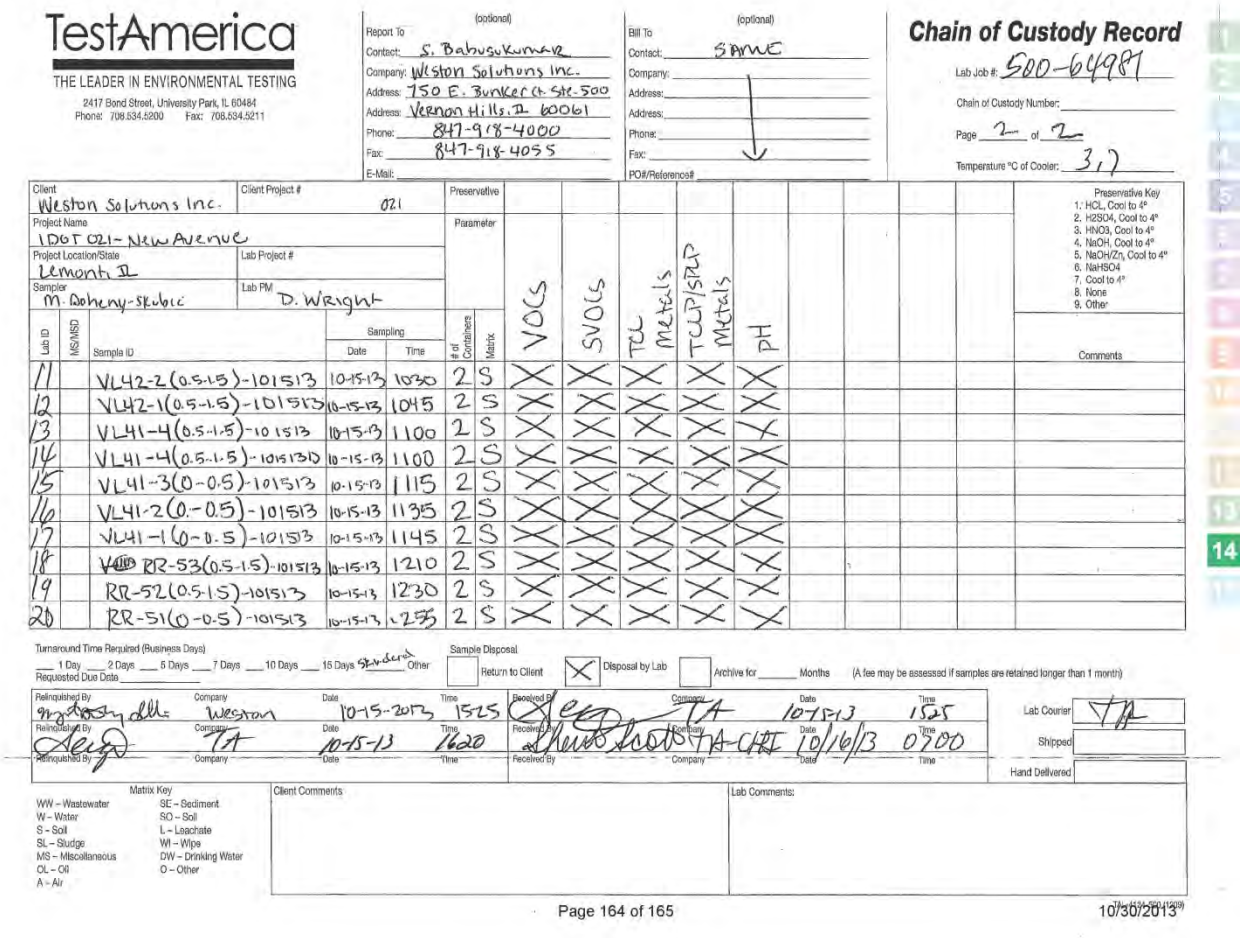

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-64981
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.7

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E. Bunker Ct. Ste-500
Address: Vernon Hills, IL 60061
Phone: 847-918-4000
Fax: 847-918-4055
E-Mail:

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

Client: Weston Solutions Inc.
Client Project #: 021
Project Name: IDOT 021-New Avenue
Project Location/State: Lemont, IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

Preservative / Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH	Comments
11		VL42-2(0.5-1.5)-101513	10-15-13	1030	2	S	X	X	X	X	X	
12		VL42-1(0.5-1.5)-101513	10-15-13	1045	2	S	X	X	X	X	X	
13		VL41-4(0.5-1.5)-101513	10-15-13	1100	2	S	X	X	X	X	X	
14		VL41-4(0.5-1.5)-101513D	10-15-13	1100	2	S	X	X	X	X	X	
15		VL41-3(0-0.5)-101513	10-15-13	1115	2	S	X	X	X	X	X	
16		VL41-2(0.-0.5)-101513	10-15-13	1135	2	S	X	X	X	X	X	
17		VL41-1(0-0.5)-101513	10-15-13	1145	2	S	X	X	X	X	X	
18		VL41 RR-53(0.5-1.5)-101513	10-15-13	1210	2	S	X	X	X	X	X	
19		RR-52(0.5-1.5)-101513	10-15-13	1230	2	S	X	X	X	X	X	
20		RR-51(0-0.5)-101513	10-15-13	1255	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10-15-2013	1525	[illegible]	TA	10-15-13	1525
[illegible]	TA	10-15-13	1620	[illegible]	TA-CHI	10/16/13	0700
[illegible]	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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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: 500-64900-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/28/2013 4:07:11 PM

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Client Sample ID: RR-30(0.5-1.5)-101413
Date Collected: 10/14/13 15:05
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64900-8
Matrix: Solid
Percent Solids: 81.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.7	ug/Kg			10/17/13 14:26	1
Benzene	<6.1		6.1	0.84	ug/Kg			10/17/13 14:26	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg			10/17/13 14:26	1
Bromoform	<6.1		6.1	1.4	ug/Kg			10/17/13 14:26	1
Bromomethane	<6.1		6.1	1.9	ug/Kg			10/17/13 14:26	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg			10/17/13 14:26	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg			10/17/13 14:26	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg			10/17/13 14:26	1
Chloroethane	<6.1		6.1	1.7	ug/Kg			10/17/13 14:26	1
Chloroform	<6.1		6.1	0.71	ug/Kg			10/17/13 14:26	1
Chloromethane	<6.1		6.1	1.3	ug/Kg			10/17/13 14:26	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg			10/17/13 14:26	1
cis-1,3-Dichloropropene	<6.1		6.1	0.81	ug/Kg			10/17/13 14:26	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg			10/17/13 14:26	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg			10/17/13 14:26	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg			10/17/13 14:26	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg			10/17/13 14:26	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg			10/17/13 14:26	1
1,3-Dichloropropene, Total	<6.1		6.1	0.81	ug/Kg			10/17/13 14:26	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg			10/17/13 14:26	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg			10/17/13 14:26	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg			10/17/13 14:26	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg			10/17/13 14:26	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg			10/17/13 14:26	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg			10/17/13 14:26	1
Styrene	<6.1		6.1	0.81	ug/Kg			10/17/13 14:26	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg			10/17/13 14:26	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg			10/17/13 14:26	1
Toluene	<6.1		6.1	0.86	ug/Kg			10/17/13 14:26	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg			10/17/13 14:26	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg			10/17/13 14:26	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg			10/17/13 14:26	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg			10/17/13 14:26	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg			10/17/13 14:26	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg			10/17/13 14:26	1
Xylenes, Total	<12		12	0.56	ug/Kg			10/17/13 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/17/13 14:26*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*10/17/13 14:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 134*		*10/17/13 14:26*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*10/17/13 14:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	45	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
1,2-Dichlorobenzene	<200		200	43	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
1,3-Dichlorobenzene	<200		200	41	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
1,4-Dichlorobenzene	<200		200	41	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2,2'-oxybis[1-chloropropane]	<200		200	44	ug/Kg		10/18/13 21:05	10/25/13 13:41	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Client Sample ID: RR-30(0.5-1.5)-101413
Date Collected: 10/14/13 15:05
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64900-8
Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	110	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2,4,6-Trichlorophenol	<390		390	50	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2,4-Dichlorophenol	<390		390	120	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2,4-Dimethylphenol	<390		390	120	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2,4-Dinitrophenol	<800		800	200	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2,4-Dinitrotoluene	<200		200	60	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2,6-Dinitrotoluene	<200		200	47	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2-Chloronaphthalene	<200		200	44	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2-Chlorophenol	<200	*	200	56	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2-Methylnaphthalene	<200		200	51	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2-Methylphenol	<200	*	200	52	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2-Nitroaniline	<200		200	71	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
2-Nitrophenol	<390		390	62	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
3 & 4 Methylphenol	<200		200	75	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
3,3'-Dichlorobenzidine	<200		200	33	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
3-Nitroaniline	<390		390	76	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
4,6-Dinitro-2-methylphenol	<390		390	96	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
4-Bromophenyl phenyl ether	<200		200	44	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
4-Chloro-3-methylphenol	<390		390	190	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
4-Chloroaniline	<800		800	120	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
4-Chlorophenyl phenyl ether	<200		200	62	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
4-Nitroaniline	<390		390	81	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
4-Nitrophenol	<800		800	210	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Acenaphthene	<39		39	12	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Acenaphthylene	20	J	39	9.1	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Anthracene	34	J	39	9.3	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Benzo[a]anthracene	200		39	8.3	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Benzo[a]pyrene	230		39	7.2	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Benzo[b]fluoranthene	310		39	7.7	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Benzo[g,h,i]perylene	270		39	13	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Benzo[k]fluoranthene	140		39	9.4	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Bis(2-chloroethoxy)methane	<200		200	44	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Bis(2-ethylhexyl) phthalate	60	J	200	52	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Butyl benzyl phthalate	<200		200	49	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Carbazole	<200		200	55	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Chrysene	320		39	8.9	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Dibenz(a,h)anthracene	70		39	11	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Dibenzofuran	<200		200	47	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Diethyl phthalate	<200		200	66	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Dimethyl phthalate	<200		200	49	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Di-n-butyl phthalate	<200		200	50	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Di-n-octyl phthalate	<200		200	80	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Fluoranthene	370		39	16	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Fluorene	<39		39	9.0	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Hexachlorobenzene	<80		80	7.8	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Hexachlorobutadiene	<200		200	52	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Hexachlorocyclopentadiene	<800		800	180	ug/Kg		10/18/13 21:05	10/25/13 13:41	1
Hexachloroethane	<200		200	42	ug/Kg		10/18/13 21:05	10/25/13 13:41	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Client Sample ID: RR-30(0.5-1.5)-101413
Date Collected: 10/14/13 15:05
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64900-8
Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	180		39	13	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
Isophorone	<200		200	44	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
Naphthalene	19	J	39	7.6	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
Nitrobenzene	<39		39	12	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
N-Nitrosodiphenylamine	<200		200	53	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
Pentachlorophenol	<800		800	200	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
Phenanthrene	150		39	17	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
Phenol	<200		200	62	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1
Pyrene	330		39	14	ug/Kg	☼	10/18/13 21:05	10/25/13 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*10/18/13 21:05*	*10/25/13 13:41*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*10/18/13 21:05*	*10/25/13 13:41*	*1*
2-Fluorophenol	*57*		*25 - 110*	*10/18/13 21:05*	*10/25/13 13:41*	*1*
Nitrobenzene-d5	*54*		*25 - 115*	*10/18/13 21:05*	*10/25/13 13:41*	*1*
Phenol-d5	*63*		*31 - 110*	*10/18/13 21:05*	*10/25/13 13:41*	*1*
Terphenyl-d14	*69*		*36 - 134*	*10/18/13 21:05*	*10/25/13 13:41*	*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		10/21/13 07:15	10/21/13 17:03	1
Barium	0.85		0.50	0.010	mg/L		10/21/13 07:15	10/21/13 17:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/13 07:15	10/21/13 17:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/21/13 07:15	10/21/13 17:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:03	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 17:03	1
Copper	0.026		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:03	1
Iron	<0.20		0.20	0.20	mg/L		10/21/13 07:15	10/21/13 17:03	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/21/13 07:15	10/21/13 17:03	1
Manganese	0.024	J	0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:03	1
Nickel	<0.025		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:03	1
Selenium	<0.050		0.050	0.010	mg/L		10/21/13 07:15	10/21/13 17:03	1
Silver	<0.025		0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 17:03	1
Zinc	0.49	B	0.10	0.020	mg/L		10/21/13 07:15	10/21/13 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048	J	0.050	0.010	mg/L		10/21/13 07:15	10/21/13 19:08	1
Barium	0.80	B	0.50	0.010	mg/L		10/21/13 07:15	10/21/13 19:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/13 07:15	10/21/13 19:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/21/13 07:15	10/21/13 19:08	1
Chromium	0.083		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 19:08	1
Cobalt	0.021	J	0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 19:08	1
Copper	0.096		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 19:08	1
Iron	80		0.20	0.20	mg/L		10/21/13 07:15	10/21/13 19:08	1
Lead	0.16		0.0075	0.0050	mg/L		10/21/13 07:15	10/21/13 19:08	1
Manganese	0.47		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 19:08	1
Nickel	0.075		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 19:08	1
Selenium	0.010	J	0.050	0.010	mg/L		10/21/13 07:15	10/21/13 19:08	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Client Sample ID: RR-30(0.5-1.5)-101413
Date Collected: 10/14/13 15:05
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64900-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 19:08	1
Zinc	0.80	B	0.10	0.020	mg/L		10/21/13 07:15	10/21/13 19:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8300	B	12	1.1	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Antimony	<1.2		1.2	0.46	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Arsenic	13		0.58	0.11	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Barium	72		0.58	0.062	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Beryllium	0.72		0.23	0.020	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Cadmium	0.59		0.12	0.015	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Calcium	51000	B	12	3.1	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Chromium	21		0.58	0.067	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Cobalt	7.8		0.29	0.021	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Copper	34	B	0.58	0.051	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Iron	20000		12	4.7	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Lead	120		0.29	0.086	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Magnesium	25000		5.8	1.2	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Manganese	450		0.58	0.031	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Nickel	21	B	0.58	0.057	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Potassium	1800	B	29	1.7	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Selenium	<0.58		0.58	0.20	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Sodium	1400		58	7.7	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Strontium	39	^	0.29	0.012	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Thallium	0.30	J	0.58	0.24	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Vanadium	21		0.29	0.043	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1
Zinc	100	B	1.2	0.23	mg/Kg	☼	10/16/13 16:00	10/17/13 15:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/21/13 12:00	10/22/13 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12	J	0.20	0.020	ug/L		10/21/13 12:00	10/22/13 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	48		20	9.4	ug/Kg	☼	10/17/13 15:15	10/18/13 10:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.69		0.200	0.200	SU			10/18/13 12:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Client Sample ID: RR-29(0.5-1.5)-101413
Date Collected: 10/14/13 15:12
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64900-9
Matrix: Solid
Percent Solids: 91.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.4	ug/Kg			10/17/13 14:50	1
Benzene	<5.4		5.4	0.75	ug/Kg			10/17/13 14:50	1
Bromodichloromethane	<5.4		5.4	0.94	ug/Kg			10/17/13 14:50	1
Bromoform	<5.4		5.4	1.3	ug/Kg			10/17/13 14:50	1
Bromomethane	<5.4		5.4	1.6	ug/Kg			10/17/13 14:50	1
Carbon disulfide	<5.4		5.4	0.81	ug/Kg			10/17/13 14:50	1
Carbon tetrachloride	<5.4		5.4	0.99	ug/Kg			10/17/13 14:50	1
Chlorobenzene	<5.4		5.4	0.55	ug/Kg			10/17/13 14:50	1
Chloroethane	<5.4		5.4	1.5	ug/Kg			10/17/13 14:50	1
Chloroform	<5.4		5.4	0.63	ug/Kg			10/17/13 14:50	1
Chloromethane	<5.4		5.4	1.1	ug/Kg			10/17/13 14:50	1
cis-1,2-Dichloroethene	<5.4		5.4	0.77	ug/Kg			10/17/13 14:50	1
cis-1,3-Dichloropropene	<5.4		5.4	0.71	ug/Kg			10/17/13 14:50	1
Dibromochloromethane	<5.4		5.4	0.95	ug/Kg			10/17/13 14:50	1
1,1-Dichloroethane	<5.4		5.4	0.86	ug/Kg			10/17/13 14:50	1
1,2-Dichloroethane	<5.4		5.4	0.81	ug/Kg			10/17/13 14:50	1
1,1-Dichloroethene	<5.4		5.4	0.88	ug/Kg			10/17/13 14:50	1
1,2-Dichloropropane	<5.4		5.4	0.83	ug/Kg			10/17/13 14:50	1
1,3-Dichloropropene, Total	<5.4		5.4	0.71	ug/Kg			10/17/13 14:50	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg			10/17/13 14:50	1
2-Hexanone	<5.4		5.4	1.6	ug/Kg			10/17/13 14:50	1
Methylene Chloride	<5.4		5.4	1.5	ug/Kg			10/17/13 14:50	1
Methyl Ethyl Ketone	<5.4		5.4	2.0	ug/Kg			10/17/13 14:50	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg			10/17/13 14:50	1
Methyl tert-butyl ether	<5.4		5.4	0.90	ug/Kg			10/17/13 14:50	1
Styrene	<5.4		5.4	0.71	ug/Kg			10/17/13 14:50	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg			10/17/13 14:50	1
Tetrachloroethene	<5.4		5.4	0.83	ug/Kg			10/17/13 14:50	1
Toluene	<5.4		5.4	0.76	ug/Kg			10/17/13 14:50	1
trans-1,2-Dichloroethene	<5.4		5.4	0.75	ug/Kg			10/17/13 14:50	1
trans-1,3-Dichloropropene	<5.4		5.4	0.98	ug/Kg			10/17/13 14:50	1
1,1,1-Trichloroethane	<5.4		5.4	0.81	ug/Kg			10/17/13 14:50	1
1,1,2-Trichloroethane	<5.4		5.4	0.74	ug/Kg			10/17/13 14:50	1
Trichloroethene	<5.4		5.4	0.90	ug/Kg			10/17/13 14:50	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg			10/17/13 14:50	1
Xylenes, Total	<11		11	0.49	ug/Kg			10/17/13 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*10/17/13 14:50*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*10/17/13 14:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*		*10/17/13 14:50*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*10/17/13 14:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1800		1800	410	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
1,2-Dichlorobenzene	<1800		1800	390	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
1,3-Dichlorobenzene	<1800		1800	380	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
1,4-Dichlorobenzene	<1800		1800	380	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2,2'-oxybis[1-chloropropane]	<1800		1800	400	ug/Kg		10/18/13 21:05	10/23/13 21:48	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Client Sample ID: RR-29(0.5-1.5)-101413
Date Collected: 10/14/13 15:12
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64900-9
Matrix: Solid
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<3600		3600	1000	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2,4,6-Trichlorophenol	<3600		3600	450	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2,4-Dichlorophenol	<3600		3600	1100	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2,4-Dimethylphenol	<3600		3600	1100	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2,4-Dinitrophenol	<7200		7200	1800	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2,4-Dinitrotoluene	<1800		1800	550	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2,6-Dinitrotoluene	<1800		1800	430	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2-Chloronaphthalene	<1800		1800	400	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2-Chlorophenol	<1800		1800	510	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2-Methylnaphthalene	<1800		1800	470	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2-Methylphenol	<1800		1800	480	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2-Nitroaniline	<1800		1800	650	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
2-Nitrophenol	<3600		3600	560	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
3 & 4 Methylphenol	<1800		1800	680	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
3,3'-Dichlorobenzidine	<1800		1800	300	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
3-Nitroaniline	<3600		3600	690	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
4,6-Dinitro-2-methylphenol	<3600		3600	870	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
4-Bromophenyl phenyl ether	<1800		1800	400	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
4-Chloro-3-methylphenol	<3600		3600	1700	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
4-Chloroaniline	<7200		7200	1100	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
4-Chlorophenyl phenyl ether	<1800		1800	570	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
4-Nitroaniline	<3600		3600	740	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
4-Nitrophenol	<7200		7200	1900	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Acenaphthene	<360		360	110	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Acenaphthylene	<360		360	83	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Anthracene	<360		360	84	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Benzo[a]anthracene	130	J	360	75	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Benzo[a]pyrene	190	J	360	65	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Benzo[b]fluoranthene	220	J	360	70	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Benzo[g,h,i]perylene	330	J	360	120	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Benzo[k]fluoranthene	<360		360	86	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Bis(2-chloroethoxy)methane	<1800		1800	400	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Bis(2-chloroethyl)ether	<1800		1800	530	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Bis(2-ethylhexyl) phthalate	<1800		1800	480	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Butyl benzyl phthalate	<1800		1800	450	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Carbazole	<1800		1800	500	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Chrysene	250	J	360	81	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Dibenz(a,h)anthracene	<360		360	100	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Dibenzofuran	<1800		1800	430	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Diethyl phthalate	<1800		1800	600	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Dimethyl phthalate	<1800		1800	450	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Di-n-butyl phthalate	<1800		1800	450	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Di-n-octyl phthalate	<1800		1800	730	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Fluoranthene	180	J	360	150	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Fluorene	<360		360	82	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Hexachlorobenzene	<720		720	71	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Hexachlorobutadiene	<1800		1800	470	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Hexachlorocyclopentadiene	<7200		7200	1700	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
Hexachloroethane	<1800		1800	380	ug/Kg		10/18/13 21:05	10/23/13 21:48	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Client Sample ID: RR-29(0.5-1.5)-101413
Date Collected: 10/14/13 15:12
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64900-9
Matrix: Solid
Percent Solids: 91.8

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	130	J	360	120	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
Isophorone	<1800		1800	400	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
Naphthalene	<360		360	69	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
Nitrobenzene	<360		360	110	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
N-Nitrosodi-n-propylamine	<1800		1800	460	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
N-Nitrosodiphenylamine	<1800		1800	490	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
Pentachlorophenol	<7200		7200	1800	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
Phenanthrene	<360		360	150	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
Phenol	<1800		1800	570	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5
Pyrene	210	J	360	130	ug/Kg	☼	10/18/13 21:05	10/23/13 21:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*35 - 137*	*10/18/13 21:05*	*10/23/13 21:48*	*5*
2-Fluorobiphenyl	*57*		*25 - 119*	*10/18/13 21:05*	*10/23/13 21:48*	*5*
2-Fluorophenol	*65*		*25 - 110*	*10/18/13 21:05*	*10/23/13 21:48*	*5*
Nitrobenzene-d5	*67*		*25 - 115*	*10/18/13 21:05*	*10/23/13 21:48*	*5*
Phenol-d5	*64*		*31 - 110*	*10/18/13 21:05*	*10/23/13 21:48*	*5*
Terphenyl-d14	*63*		*36 - 134*	*10/18/13 21:05*	*10/23/13 21:48*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/21/13 07:15	10/21/13 17:09	1
Barium	1.1		0.50	0.010	mg/L		10/21/13 07:15	10/21/13 17:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/13 07:15	10/21/13 17:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/21/13 07:15	10/21/13 17:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:09	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 17:09	1
Copper	0.046		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:09	1
Iron	<0.20		0.20	0.20	mg/L		10/21/13 07:15	10/21/13 17:09	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/21/13 07:15	10/21/13 17:09	1
Manganese	0.41		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:09	1
Nickel	<0.025		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:09	1
Selenium	<0.050		0.050	0.010	mg/L		10/21/13 07:15	10/21/13 17:09	1
Silver	<0.025		0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 17:09	1
Zinc	0.60	B	0.10	0.020	mg/L		10/21/13 07:15	10/21/13 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/21/13 07:15	10/21/13 19:14	1
Barium	0.77	B	0.50	0.010	mg/L		10/21/13 07:15	10/21/13 19:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/13 07:15	10/21/13 19:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/21/13 07:15	10/21/13 19:14	1
Chromium	0.017	J	0.025	0.010	mg/L		10/21/13 07:15	10/21/13 19:14	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 19:14	1
Copper	0.033		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 19:14	1
Iron	11		0.20	0.20	mg/L		10/21/13 07:15	10/21/13 19:14	1
Lead	0.014		0.0075	0.0050	mg/L		10/21/13 07:15	10/21/13 19:14	1
Manganese	0.11		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 19:14	1
Nickel	<0.025		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 19:14	1
Selenium	<0.050		0.050	0.010	mg/L		10/21/13 07:15	10/21/13 19:14	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Client Sample ID: RR-29(0.5-1.5)-101413
Date Collected: 10/14/13 15:12
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64900-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 19:14	1
Zinc	0.66	B	0.10	0.020	mg/L		10/21/13 07:15	10/21/13 19:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5400	B	10	0.95	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Antimony	<1.0		1.0	0.41	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Arsenic	5.2		0.51	0.10	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Barium	68		0.51	0.055	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Beryllium	0.38		0.21	0.018	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Cadmium	0.36		0.10	0.013	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Calcium	120000		100	28	mg/Kg	☼	10/16/13 16:00	10/18/13 12:58	10
Chromium	15		0.51	0.060	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Cobalt	3.8		0.26	0.018	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Copper	20	B	0.51	0.046	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Iron	11000		10	4.2	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Lead	20		0.26	0.077	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Magnesium	50000		5.1	1.1	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Manganese	370		0.51	0.028	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Nickel	9.4	B	0.51	0.050	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Potassium	1100	B	26	1.5	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Selenium	<0.51		0.51	0.18	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Sodium	310		51	6.9	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Strontium	37	^	0.26	0.010	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Thallium	<0.51		0.51	0.22	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Vanadium	17		0.26	0.038	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1
Zinc	65	B	1.0	0.21	mg/Kg	☼	10/16/13 16:00	10/17/13 15:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/21/13 12:00	10/22/13 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045	J	0.20	0.020	ug/L		10/21/13 12:00	10/22/13 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	33		17	7.9	ug/Kg	☼	10/17/13 15:15	10/18/13 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.22		0.200	0.200	SU			10/18/13 11:57	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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 - New Avenue - 021

TestAmerica Job ID: 500-64900-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TI
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.52

500-64900 COC

Chain of Custody Record

Lab Job #: 500-64900
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler: 3.7

Report To (optional)	Bill To (optional)
Contact: S. Balasubramanian	Contact: SAME
Company: Weston Solutions Inc.	Company:
Address: 750 E Bunker Ct. Ste. 500	Address:
Address: Vernon Hills, IL 60061	Address:
Phone: 847-918-4000	Phone:
Fax: 847-918-4055	Fax:
E-Mail:	PO#/Reference#

Client: Weston Solutions Inc. | Client Project #: 021
Project Name: IDOT 021- New Avenue
Project Location/State: Lemont, IL | Lab Project #:
Sampler: M. Doheny-Skubic | Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	PH	Comments
1		RR-36(0-1)-101413	10-14-13	1345	2	S	X	X	X	X	X	
2		RR-36(0-1)-101413D	10-14-13	1345	2	S	X	X	X	X	X	
3		RR-35(0.5-1.5)-101413	10-14-13	1400	2	S	X	X	X	X	X	
4		RR-34(0.5-1.5)-101413	10-14-13	1415	2	S	X	X	X	X	X	
5		RR-33(0.5-1.5)-101413	10-14-13	1425	2	S	X	X	X	X	X	
6		RR-32(0.5-1.5)-101413	10-14-13	1440	2	S	X	X	X	X	X	
7		RR-31(0.5-1.5)-101413	10-14-13	1450	2	S	X	X	X	X	X	
8		RR-30(0.5-1.5)-101413	10-14-13	1505	2	S	X	X	X	X	X	
9		RR-29(0.5-1.5)-101413	10-14-13	1512	2	S	X	X	X	X	X	
10		RR-28(0.5-1.5)-101413	10-14-13	1520	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10-14-13	1554	[illegible]	TA	10/14/13	1554
[illegible]	TA	10-14-13	1655	[illegible]	TA	10/15/13	0600
[illegible]	TA	10-14-13		[illegible]	TA		

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
15200 S. New Avenue

City: Lockport State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.608468602 (Decimal Degrees) Longitude: -88.051413611 (-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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.608468602 Longitude: -88.051413611

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 MG-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2518-16. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-64826-1

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:

12/24/13
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2518-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	MG-1(0-0.5)-101113	Soil Reference Concentrations[A]
Sample Date	10/11/2013	
Location ID	MG-1	
Depth	0 - 0.5	
Parameter		
Laboratory pH (s.u.)	7.91	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
Acenaphthene	200	570000
Anthracene	240	1.20E+07
Benzo(a)anthracene	1200	900 / 1100 / 1800
Benzo(a)pyrene	1100	90 / 1300 / 2100
Benzo(b)fluoranthene	1600	900 / 1500 / 2100
Benzo(g,h,i)perylene	750	2300000
Benzo(k)fluoranthene	660	9000
Carbazole	340 J	600
Chrysene	1600	88000
Dibenzo(a,h)anthracene	180	90 / 200 / 420
Fluoranthene	4100	3100000
Fluorene	220	560000
Indeno(1,2,3-cd)pyrene	660	900 / 900 / 1600
Naphthalene, SVOC	55 J	1800
Phenanthrene	3200	210000
Pyrene	2900 J+	2300000
Total Metals (mg/kg)		
Aluminum, Total	7000 B	9200 / 9500
Arsenic, Total	6	11.3 / 13
Barium, Total	60 B	1500
Beryllium, Total	0.53	22
Cadmium, Total	0.36	5.2
Calcium, Total	47000 B	—
Chromium, Total	13	21
Cobalt, Total	6.5	20
Copper, Total	20	2900
Iron, Total	13000	15000 / 15900
Lead, Total	50 B	107
Magnesium, Total	27000 B	325000
Manganese, Total	320	630 / 636
Mercury, Total	0.055	0.89
Nickel, Total	13	100
Potassium, Total	1200	—
Sodium, Total	330	—
Strontium, Total	24 B[A]	84
Vanadium, Total	17	550
TCLP Metals (mg/l)		
Barium, TCLP	1.4	2
Cadmium, TCLP	0.0031 J	0.005
Manganese, TCLP	0.18	0.15
Zinc, TCLP	1 B	5
SPLP Metals (mg/l)		
Barium, SPLP	0.93 B	2
Chromium, SPLP	0.018 J	0.1
Copper, SPLP	0.18	0.65
Iron, SPLP	16	5
Lead, SPLP	0.07	0.0075
Manganese, SPLP	0.12	0.15
Mercury, SPLP	0.000032 J	0.002
Nickel, SPLP	0.013 J	0.1
Zinc, SPLP	0.85 B	5

Summary Table of ISGS Site No. 2518-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Notes:
— - not applicable or value not available.
[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.
B - Constituent detected in the blank and investigative sample.
J - Estimated concentration.
J+ - Estimated concentration biased high.
^ - Instrument related Quality Control (QC) exceeded the control limits.
Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-64826-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/24/2013 2:02:00 PM

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

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64826-1

Client Sample ID: MG-1(0-0.5)-101113
Date Collected: 10/11/13 10:40
Date Received: 10/11/13 16:30

Lab Sample ID: 500-64826-8
Matrix: Solid
Percent Solids: 87.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg			10/14/13 17:59	1
Benzene	<5.7		5.7	0.78	ug/Kg			10/14/13 17:59	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg			10/14/13 17:59	1
Bromoform	<5.7		5.7	1.3	ug/Kg			10/14/13 17:59	1
Bromomethane	<5.7		5.7	1.7	ug/Kg			10/14/13 17:59	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg			10/14/13 17:59	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg			10/14/13 17:59	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg			10/14/13 17:59	1
Chloroethane	<5.7		5.7	1.5	ug/Kg			10/14/13 17:59	1
Chloroform	<5.7		5.7	0.65	ug/Kg			10/14/13 17:59	1
Chloromethane	<5.7		5.7	1.2	ug/Kg			10/14/13 17:59	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg			10/14/13 17:59	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg			10/14/13 17:59	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg			10/14/13 17:59	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg			10/14/13 17:59	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg			10/14/13 17:59	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg			10/14/13 17:59	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg			10/14/13 17:59	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg			10/14/13 17:59	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg			10/14/13 17:59	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg			10/14/13 17:59	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg			10/14/13 17:59	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg			10/14/13 17:59	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg			10/14/13 17:59	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg			10/14/13 17:59	1
Styrene	<5.7		5.7	0.75	ug/Kg			10/14/13 17:59	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg			10/14/13 17:59	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg			10/14/13 17:59	1
Toluene	<5.7		5.7	0.80	ug/Kg			10/14/13 17:59	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg			10/14/13 17:59	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg			10/14/13 17:59	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg			10/14/13 17:59	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg			10/14/13 17:59	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg			10/14/13 17:59	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg			10/14/13 17:59	1
Xylenes, Total	<11		11	0.52	ug/Kg			10/14/13 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*10/14/13 17:59*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/14/13 17:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*10/14/13 17:59*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/14/13 17:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<910		910	200	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
1,2-Dichlorobenzene	<910		910	200	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
1,3-Dichlorobenzene	<910		910	190	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
1,4-Dichlorobenzene	<910		910	190	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2,2'-oxybis[1-chloropropane]	<910		910	200	ug/Kg		10/16/13 07:32	10/23/13 21:52	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64826-1

Client Sample ID: MG-1(0-0.5)-101113
Date Collected: 10/11/13 10:40
Date Received: 10/11/13 16:30

Lab Sample ID: 500-64826-8
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	520	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2,4,6-Trichlorophenol	<1800		1800	230	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2,4-Dichlorophenol	<1800		1800	550	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2,4-Dimethylphenol	<1800		1800	570	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2,4-Dinitrophenol	<3600		3600	920	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2,4-Dinitrotoluene	<910		910	280	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2,6-Dinitrotoluene	<910		910	210	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2-Chloronaphthalene	<910		910	200	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2-Chlorophenol	<910		910	260	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2-Methylnaphthalene	<910		910	230	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2-Methylphenol	<910		910	240	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2-Nitroaniline	<910		910	330	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
2-Nitrophenol	<1800		1800	280	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
3 & 4 Methylphenol	<910		910	340	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
3,3'-Dichlorobenzidine	<910		910	150	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
3-Nitroaniline	<1800		1800	350	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
4,6-Dinitro-2-methylphenol	<1800		1800	440	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
4-Bromophenyl phenyl ether	<910		910	200	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
4-Chloro-3-methylphenol	<1800		1800	860	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
4-Chloroaniline	<3600		3600	550	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
4-Chlorophenyl phenyl ether	<910		910	280	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
4-Nitroaniline	<1800		1800	370	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
4-Nitrophenol	<3600		3600	970	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Acenaphthene	200		180	54	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Acenaphthylene	<180		180	41	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Anthracene	240		180	42	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Benzo[a]anthracene	1200		180	38	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Benzo[a]pyrene	1100		180	33	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Benzo[b]fluoranthene	1600		180	35	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Benzo[g,h,i]perylene	750		180	61	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Benzo[k]fluoranthene	660		180	43	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Bis(2-chloroethoxy)methane	<910		910	200	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Bis(2-chloroethyl)ether	<910		910	270	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Bis(2-ethylhexyl) phthalate	<910		910	240	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Butyl benzyl phthalate	<910		910	230	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Carbazole	340	J	910	250	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Chrysene	1600		180	41	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Dibenz(a,h)anthracene	180		180	50	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Dibenzofuran	<910		910	220	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Diethyl phthalate	<910		910	300	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Dimethyl phthalate	<910		910	230	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Di-n-butyl phthalate	<910		910	230	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Di-n-octyl phthalate	<910		910	370	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Fluoranthene	4100		180	74	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Fluorene	220		180	41	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Hexachlorobenzene	<360		360	36	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Hexachlorobutadiene	<910		910	240	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Hexachlorocyclopentadiene	<3600		3600	840	ug/Kg		10/16/13 07:32	10/23/13 21:52	5
Hexachloroethane	<910		910	190	ug/Kg		10/16/13 07:32	10/23/13 21:52	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64826-1

Client Sample ID: MG-1(0-0.5)-101113
Date Collected: 10/11/13 10:40
Date Received: 10/11/13 16:30

Lab Sample ID: 500-64826-8
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	660		180	61	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
Isophorone	<910		910	200	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
Naphthalene	55	J	180	35	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
Nitrobenzene	<180		180	56	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
N-Nitrosodi-n-propylamine	<910		910	230	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
N-Nitrosodiphenylamine	<910		910	240	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
Pentachlorophenol	<3600		3600	920	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
Phenanthrene	3200		180	76	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
Phenol	<910		910	290	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5
Pyrene	2900	*	180	65	ug/Kg	☼	10/16/13 07:32	10/23/13 21:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*35 - 137*	*10/16/13 07:32*	*10/23/13 21:52*	*5*
2-Fluorobiphenyl	*68*		*25 - 119*	*10/16/13 07:32*	*10/23/13 21:52*	*5*
2-Fluorophenol	*68*		*25 - 110*	*10/16/13 07:32*	*10/23/13 21:52*	*5*
Nitrobenzene-d5	*60*		*25 - 115*	*10/16/13 07:32*	*10/23/13 21:52*	*5*
Phenol-d5	*63*		*31 - 110*	*10/16/13 07:32*	*10/23/13 21:52*	*5*
Terphenyl-d14	*72*		*36 - 134*	*10/16/13 07:32*	*10/23/13 21:52*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/19/13 13:00	10/21/13 20:23	1
Barium	1.4		0.50	0.010	mg/L		10/19/13 13:00	10/21/13 20:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/19/13 13:00	10/21/13 20:23	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		10/19/13 13:00	10/21/13 20:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/19/13 13:00	10/21/13 20:23	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/19/13 13:00	10/21/13 20:23	1
Copper	0.021	J B	0.025	0.010	mg/L		10/19/13 13:00	10/21/13 20:23	1
Iron	<0.20		0.20	0.20	mg/L		10/19/13 13:00	10/21/13 20:23	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/19/13 13:00	10/21/13 20:23	1
Manganese	0.18		0.025	0.010	mg/L		10/19/13 13:00	10/21/13 20:23	1
Nickel	<0.025		0.025	0.010	mg/L		10/19/13 13:00	10/21/13 20:23	1
Selenium	<0.050		0.050	0.010	mg/L		10/19/13 13:00	10/21/13 20:23	1
Silver	<0.025		0.025	0.0050	mg/L		10/19/13 13:00	10/21/13 20:23	1
Zinc	1.0	B	0.10	0.020	mg/L		10/19/13 13:00	10/21/13 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/13 08:00	10/22/13 17:33	1
Barium	0.93	B	0.50	0.010	mg/L		10/18/13 08:00	10/22/13 17:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/13 08:00	10/22/13 17:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/13 08:00	10/22/13 17:33	1
Chromium	0.018	J	0.025	0.010	mg/L		10/18/13 08:00	10/22/13 17:33	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/18/13 08:00	10/22/13 17:33	1
Copper	0.18		0.025	0.010	mg/L		10/18/13 08:00	10/22/13 17:33	1
Iron	16		0.20	0.20	mg/L		10/18/13 08:00	10/22/13 17:33	1
Lead	0.070		0.0075	0.0050	mg/L		10/18/13 08:00	10/22/13 17:33	1
Manganese	0.12		0.025	0.010	mg/L		10/18/13 08:00	10/22/13 17:33	1
Nickel	0.013	J	0.025	0.010	mg/L		10/18/13 08:00	10/22/13 17:33	1
Selenium	<0.050		0.050	0.010	mg/L		10/18/13 08:00	10/22/13 17:33	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64826-1

Client Sample ID: MG-1(0-0.5)-101113
Date Collected: 10/11/13 10:40
Date Received: 10/11/13 16:30

Lab Sample ID: 500-64826-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/18/13 08:00	10/22/13 17:33	1
Zinc	0.85	B	0.10	0.020	mg/L		10/18/13 08:00	10/22/13 17:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7000	B	11	1.0	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Antimony	<1.1		1.1	0.44	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Arsenic	6.0		0.54	0.11	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Barium	60	B	0.54	0.058	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Beryllium	0.53		0.22	0.019	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Cadmium	0.36		0.11	0.014	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Calcium	47000	B	11	2.9	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Chromium	13		0.54	0.063	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Cobalt	6.5		0.27	0.019	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Copper	20		0.54	0.048	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Iron	13000		11	4.5	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Lead	50	B	0.27	0.081	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Magnesium	27000	B	5.4	1.1	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Manganese	320		0.54	0.030	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Nickel	13		0.54	0.053	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Potassium	1200		27	1.6	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Sodium	330		54	7.3	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Strontium	24	B ^	0.27	0.011	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Vanadium	17		0.27	0.040	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	1
Zinc	74	B	1.1	0.22	mg/Kg	☼	10/16/13 10:00	10/17/13 06:35	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		10/21/13 15:15	10/22/13 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032	J	0.20	0.020	ug/L		10/18/13 15:30	10/21/13 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	55		17	7.8	ug/Kg	☼	10/16/13 15:45	10/17/13 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.91		0.200	0.200	SU			10/15/13 14:04	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64826-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
*	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.
F	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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
POL	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 - New Avenue - 021

TestAmerica Job ID: 500-64826-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-64826 COC

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

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

Chain of Custody Record

Lab Job #: 500-64826
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: (4.6) (5.1)

Client: Weston
Client Project #:
Project Name: IDOT-021
Project Location/State: Lockport, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH					Comments
1		VL9-1(0.5-1.5)-101113	10/11/13	0855	2	S	X	X	X	X	X					
2		VL9-1(0.5-1.5)-101113 D	10/11/13	0855	2	S	X	X	X	X	X					
3		SL-1 (0.5-1.5)-101113	10/11/13	0915	2	S	X	X	X	X	X					
4		SL-2 (0.5-1.5)-101113	10/11/13	0925	2	S	X	X	X	X	X					
5		CB11-1 (0.5-1.5)-101113	10/11/13	0940	2	S	X	X	X	X	X					
6		WL12-1(0-4)-101113	10/11/13	1015	2	S	X	X	X	X	X					
7		WL12-1 (0-4)-101113 D	10/11/13	1015	2	S	X	X	X	X	X					
8		MG-1(0-0.5)-101113	10/11/13	1040	2	S	X	X	X	X	X					
9		MG-2(0-0.75)-101113	10/11/13	1055	2	S	X	X	X	X	X					
10		MG-3(0.5-1.5)-101113	10/11/13	1110	2	S	X	X	X	X	X					

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

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

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

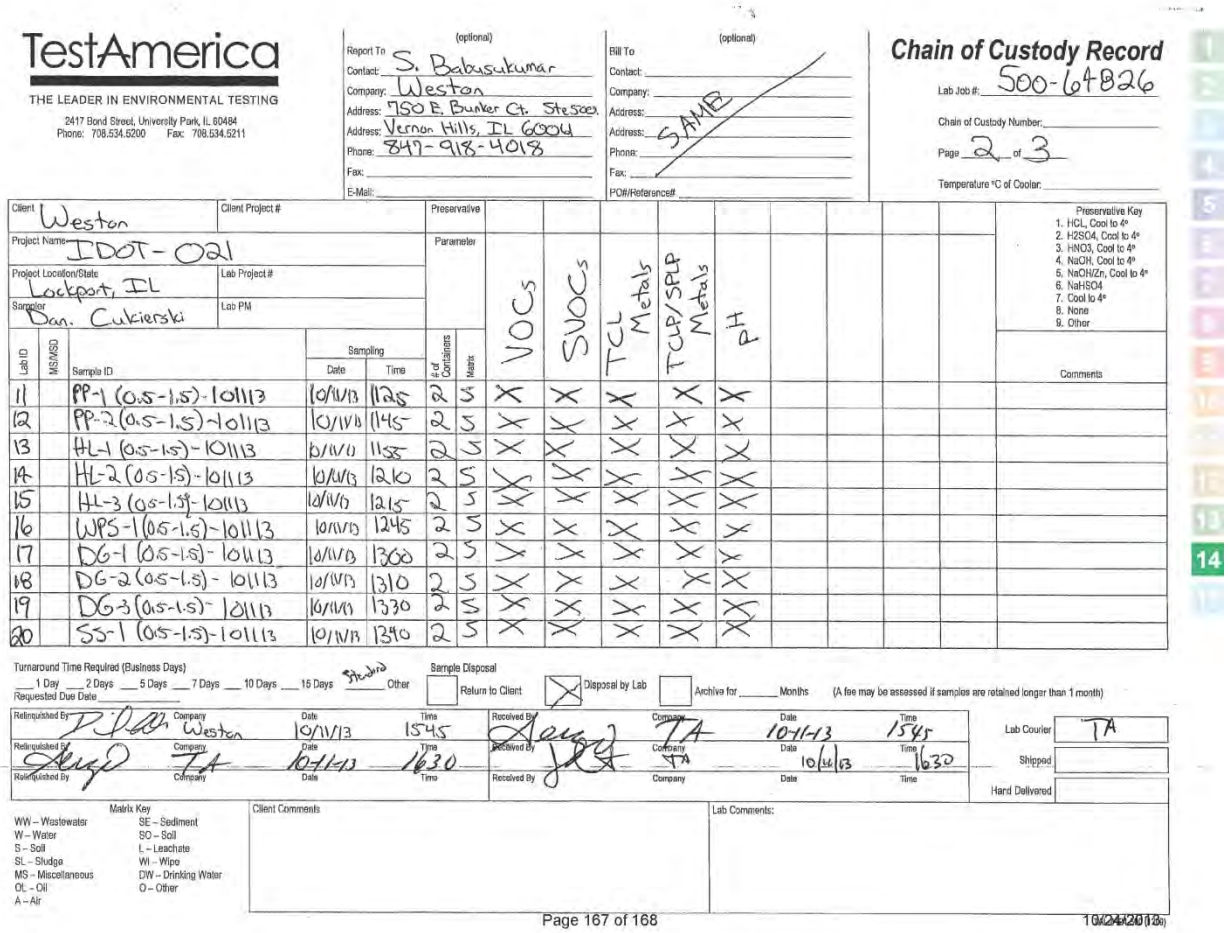
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/11/13	1545		TA	10-11-13	1545
	TA	10-11-13	1630		TA	10/11/13	1630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record
Lab Job #: 500-64826
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

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

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

Client: Weston
Client Project #:
Project Name: IDOT-021
Project Location/State: Lockport, IL
Lab Project #:
Sampler: Dan. Cukierski
Lab PM:

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH					Comments
11		PP-1 (0.5-1.5)-101113	10/11/13	1125	2	S	X	X	X	X	X					
12		PP-2 (0.5-1.5)-101113	10/11/13	1145	2	S	X	X	X	X	X					
13		HL-1 (0.5-1.5)-101113	10/11/13	1155	2	S	X	X	X	X	X					
14		HL-2 (0.5-1.5)-101113	10/11/13	1210	2	S	X	X	X	X	X					
15		HL-3 (0.5-1.5)-101113	10/11/13	1215	2	S	X	X	X	X	X					
16		WPS-1 (0.5-1.5)-101113	10/11/13	1245	2	S	X	X	X	X	X					
17		DG-1 (0.5-1.5)-101113	10/11/13	1300	2	S	X	X	X	X	X					
18		DG-2 (0.5-1.5)-101113	10/11/13	1310	2	S	X	X	X	X	X					
19		DG-3 (0.5-1.5)-101113	10/11/13	1330	2	S	X	X	X	X	X					
20		SS-1 (0.5-1.5)-101113	10/11/13	1340	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard Other
Requested Due Date

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

	Company	Date	Time
Relinquished By	Weston	10/11/13	1545
Relinquished By	TA	10-11-13	1630
Relinquished By			

	Company	Date	Time
Received By	TA	10-11-13	1545
Received By	TA	10/11/13	1630
Received By			

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
14715 S. New Avenue

City: Lockport State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.618941426 (Decimal Degrees) Longitude: -88.050480708 (-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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.618941426 Longitude: -88.050480708

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 MT-2 WAS SAMPLED ADJACENT TO ISGS SITE No. 2518-24. SEE FIGURE 3-3 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-64902-1

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:

12/24/13
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2518-24
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	MT-2(0.5-1.5)-101413	Soil Reference Concentrations[^]
Sample Date	10/14/2013	
Location ID	MT-2	
Depth	0.5 - 1.5	
Parameter		
Laboratory pH (s.u.)	7.27	<6.25,>9.0
VOCs (ug/kg)		
Acetone	140	25000
Methyl ethyl ketone	33	17000
SVOCs (ug/kg)		
Benzo(a)anthracene	250 J	900 / 1100 / 1800
Benzo(a)pyrene	360	90 / 1300 / 2100
Benzo(b)fluoranthene	470	900 / 1500 / 2100
Benzo(g,h,i)perylene	430	2300000
Benzo(k)fluoranthene	250 J	9000
Chrysene	400	88000
Fluoranthene	490	3100000
Indeno(1,2,3-cd)pyrene	260 J	900 / 900 / 1600
Phenanthrene	180 J	210000
Pyrene	450	2300000
Total Metals (mg/kg)		
Aluminum, Total	6700 B	9200 / 9500
Arsenic, Total	7.2	11.3 / 13
Barium, Total	79 B	1500
Beryllium, Total	0.59	22
Cadmium, Total	0.3	5.2
Calcium, Total	34000 B	—
Chromium, Total	33 B	21
Cobalt, Total	7.5 B	20
Copper, Total	26	2900
Iron, Total	16000	15000 / 15900
Lead, Total	28 B	107
Magnesium, Total	13000 B	325000
Manganese, Total	1200 B	630 / 636
Mercury, Total	6.50E-02	0.89
Nickel, Total	16 B	100
Potassium, Total	940 B	—
Selenium, Total	0.38 J	1.3
Silver, Total	0.065 J	4.4
Sodium, Total	680 B	—
Strontium, Total	34 B^	84
Vanadium, Total	21 B	550
Zinc, Total	83 B	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.9 B	2
Cobalt, TCLP	0.015 J	1
Copper, TCLP	0.015 J	0.65
Lead, TCLP	0.0052 J	0.0075
Manganese, TCLP	8.2	0.15
Nickel, TCLP	0.016 J	0.1
Zinc, TCLP	0.45 B	5
SPLP Metals (mg/l)		
Barium, SPLP	0.14 J	2
Chromium, SPLP	0.011 J	0.1
Copper, SPLP	0.09	0.65
Iron, SPLP	7.7	5
Lead, SPLP	0.017	0.0075
Manganese, SPLP	0.099	0.15
Mercury, SPLP	0.000022 J	0.002

Notes:

— - not applicable or value not available.

[^] - 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.

^ - Instrument related Quality Control (QC) exceeded the control limits.

Shaded values indicate concentration exceeds Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-64902-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/27/2013 12:31:44 PM

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

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: MT-2(0.5-1.5)-101413
Date Collected: 10/14/13 09:05
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-6
Matrix: Solid
Percent Solids: 60.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	140		8.3	3.6	ug/Kg			10/18/13 13:09	1
Benzene	<8.3		8.3	1.1	ug/Kg			10/18/13 13:09	1
Bromodichloromethane	<8.3		8.3	1.4	ug/Kg			10/18/13 13:09	1
Bromoform	<8.3		8.3	1.9	ug/Kg			10/18/13 13:09	1
Bromomethane	<8.3		8.3	2.5	ug/Kg			10/18/13 13:09	1
Carbon disulfide	<8.3		8.3	1.2	ug/Kg			10/18/13 13:09	1
Carbon tetrachloride	<8.3		8.3	1.5	ug/Kg			10/18/13 13:09	1
Chlorobenzene	<8.3		8.3	0.84	ug/Kg			10/18/13 13:09	1
Chloroethane	<8.3		8.3	2.3	ug/Kg			10/18/13 13:09	1
Chloroform	<8.3		8.3	0.96	ug/Kg			10/18/13 13:09	1
Chloromethane	<8.3		8.3	1.7	ug/Kg			10/18/13 13:09	1
cis-1,2-Dichloroethene	<8.3		8.3	1.2	ug/Kg			10/18/13 13:09	1
cis-1,3-Dichloropropene	<8.3		8.3	1.1	ug/Kg			10/18/13 13:09	1
Dibromochloromethane	<8.3		8.3	1.4	ug/Kg			10/18/13 13:09	1
1,1-Dichloroethane	<8.3		8.3	1.3	ug/Kg			10/18/13 13:09	1
1,2-Dichloroethane	<8.3		8.3	1.2	ug/Kg			10/18/13 13:09	1
1,1-Dichloroethene	<8.3		8.3	1.3	ug/Kg			10/18/13 13:09	1
1,2-Dichloropropane	<8.3		8.3	1.3	ug/Kg			10/18/13 13:09	1
1,3-Dichloropropene, Total	<8.3		8.3	1.1	ug/Kg			10/18/13 13:09	1
Ethylbenzene	<8.3		8.3	1.7	ug/Kg			10/18/13 13:09	1
2-Hexanone	<8.3		8.3	2.4	ug/Kg			10/18/13 13:09	1
Methylene Chloride	<8.3		8.3	2.2	ug/Kg			10/18/13 13:09	1
Methyl Ethyl Ketone	33		8.3	3.0	ug/Kg			10/18/13 13:09	1
methyl isobutyl ketone	<8.3		8.3	2.2	ug/Kg			10/18/13 13:09	1
Methyl tert-butyl ether	<8.3		8.3	1.4	ug/Kg			10/18/13 13:09	1
Styrene	<8.3		8.3	1.1	ug/Kg			10/18/13 13:09	1
1,1,2,2-Tetrachloroethane	<8.3		8.3	1.7	ug/Kg			10/18/13 13:09	1
Tetrachloroethene	<8.3		8.3	1.3	ug/Kg			10/18/13 13:09	1
Toluene	<8.3		8.3	1.2	ug/Kg			10/18/13 13:09	1
trans-1,2-Dichloroethene	<8.3		8.3	1.1	ug/Kg			10/18/13 13:09	1
trans-1,3-Dichloropropene	<8.3		8.3	1.5	ug/Kg			10/18/13 13:09	1
1,1,1-Trichloroethane	<8.3		8.3	1.2	ug/Kg			10/18/13 13:09	1
1,1,2-Trichloroethane	<8.3		8.3	1.1	ug/Kg			10/18/13 13:09	1
Trichloroethene	<8.3		8.3	1.4	ug/Kg			10/18/13 13:09	1
Vinyl chloride	<8.3		8.3	1.7	ug/Kg			10/18/13 13:09	1
Xylenes, Total	<17		17	0.75	ug/Kg			10/18/13 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/18/13 13:09*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*10/18/13 13:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*		*10/18/13 13:09*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*10/18/13 13:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1400		1400	310	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
1,2-Dichlorobenzene	<1400		1400	300	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
1,3-Dichlorobenzene	<1400		1400	290	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
1,4-Dichlorobenzene	<1400		1400	290	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2,2'-oxybis[1-chloropropane]	<1400		1400	310	ug/Kg		10/18/13 16:57	10/24/13 00:26	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: MT-2(0.5-1.5)-101413
Date Collected: 10/14/13 09:05
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-6
Matrix: Solid
Percent Solids: 60.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<2700		2700	790	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2,4,6-Trichlorophenol	<2700		2700	350	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2,4-Dichlorophenol	<2700		2700	840	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2,4-Dimethylphenol	<2700		2700	860	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2,4-Dinitrophenol	<5600		5600	1400	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2,4-Dinitrotoluene	<1400		1400	420	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2,6-Dinitrotoluene	<1400		1400	330	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2-Chloronaphthalene	<1400		1400	310	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2-Chlorophenol	<1400		1400	390	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2-Methylnaphthalene	<1400		1400	360	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2-Methylphenol	<1400		1400	370	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2-Nitroaniline	<1400		1400	500	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
2-Nitrophenol	<2700		2700	430	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
3 & 4 Methylphenol	<1400		1400	520	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
3,3'-Dichlorobenzidine	<1400		1400	230	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
3-Nitroaniline	<2700		2700	530	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
4,6-Dinitro-2-methylphenol	<2700		2700	670	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
4-Bromophenyl phenyl ether	<1400		1400	310	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
4-Chloro-3-methylphenol	<2700		2700	1300	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
4-Chloroaniline	<5600		5600	840	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
4-Chlorophenyl phenyl ether	<1400		1400	430	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
4-Nitroaniline	<2700		2700	570	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
4-Nitrophenol	<5600		5600	1500	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Acenaphthene	<270		270	82	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Acenaphthylene	<270		270	63	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Anthracene	<270		270	65	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Benzo[a]anthracene	250	J	270	58	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Benzo[a]pyrene	360		270	50	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Benzo[b]fluoranthene	470		270	54	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Benzo[g,h,i]perylene	430		270	93	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Benzo[k]fluoranthene	250	J	270	66	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Bis(2-chloroethoxy)methane	<1400		1400	300	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Bis(2-chloroethyl)ether	<1400		1400	410	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Bis(2-ethylhexyl) phthalate	<1400		1400	370	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Butyl benzyl phthalate	<1400		1400	350	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Carbazole	<1400		1400	390	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Chrysene	400		270	62	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Dibenz(a,h)anthracene	<270		270	77	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Dibenzofuran	<1400		1400	330	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Diethyl phthalate	<1400		1400	460	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Dimethyl phthalate	<1400		1400	340	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Di-n-butyl phthalate	<1400		1400	350	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Di-n-octyl phthalate	<1400		1400	560	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Fluoranthene	490		270	110	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Fluorene	<270		270	63	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Hexachlorobenzene	<560		560	54	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Hexachlorobutadiene	<1400		1400	360	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Hexachlorocyclopentadiene	<5600		5600	1300	ug/Kg		10/18/13 16:57	10/24/13 00:26	5
Hexachloroethane	<1400		1400	290	ug/Kg		10/18/13 16:57	10/24/13 00:26	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: MT-2(0.5-1.5)-101413
Date Collected: 10/14/13 09:05
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-6
Matrix: Solid
Percent Solids: 60.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	260	J	270	93	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
Isophorone	<1400		1400	310	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
Naphthalene	<270		270	53	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
Nitrobenzene	<270		270	86	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
N-Nitrosodi-n-propylamine	<1400		1400	350	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
N-Nitrosodiphenylamine	<1400		1400	370	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
Pentachlorophenol	<5600		5600	1400	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
Phenanthrene	180	J	270	120	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
Phenol	<1400		1400	440	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5
Pyrene	450		270	100	ug/Kg	☼	10/18/13 16:57	10/24/13 00:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 137*	*10/18/13 16:57*	*10/24/13 00:26*	*5*
2-Fluorobiphenyl	*59*		*25 - 119*	*10/18/13 16:57*	*10/24/13 00:26*	*5*
2-Fluorophenol	*61*		*25 - 110*	*10/18/13 16:57*	*10/24/13 00:26*	*5*
Nitrobenzene-d5	*57*		*25 - 115*	*10/18/13 16:57*	*10/24/13 00:26*	*5*
Phenol-d5	*68*		*31 - 110*	*10/18/13 16:57*	*10/24/13 00:26*	*5*
Terphenyl-d14	*71*		*36 - 134*	*10/18/13 16:57*	*10/24/13 00:26*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/24/13 21:50	1
Barium	0.90	B	0.50	0.010	mg/L		10/23/13 11:30	10/24/13 21:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/13 11:30	10/24/13 21:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/13 11:30	10/24/13 21:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 21:50	1
Cobalt	0.015	J	0.025	0.0050	mg/L		10/23/13 11:30	10/24/13 21:50	1
Copper	0.015	J	0.025	0.010	mg/L		10/23/13 11:30	10/24/13 21:50	1
Iron	<0.20		0.20	0.20	mg/L		10/23/13 11:30	10/24/13 21:50	1
Lead	0.0052	J	0.0075	0.0050	mg/L		10/23/13 11:30	10/24/13 21:50	1
Manganese	8.2		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 21:50	1
Nickel	0.016	J	0.025	0.010	mg/L		10/23/13 11:30	10/24/13 21:50	1
Selenium	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/24/13 21:50	1
Silver	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/24/13 21:50	1
Zinc	0.45	B	0.10	0.020	mg/L		10/23/13 11:30	10/24/13 21:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/25/13 01:05	1
Barium	0.14	J	0.50	0.010	mg/L		10/23/13 11:30	10/25/13 01:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/13 11:30	10/25/13 01:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/13 11:30	10/25/13 01:05	1
Chromium	0.011	J	0.025	0.010	mg/L		10/23/13 11:30	10/25/13 01:05	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/25/13 01:05	1
Copper	0.090		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 01:05	1
Iron	7.7		0.20	0.20	mg/L		10/23/13 11:30	10/25/13 01:05	1
Lead	0.017		0.0075	0.0050	mg/L		10/23/13 11:30	10/25/13 01:05	1
Manganese	0.099		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 01:05	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 01:05	1
Selenium	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/25/13 01:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: MT-2(0.5-1.5)-101413
Date Collected: 10/14/13 09:05
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/25/13 01:05	1
Zinc	0.15	B	0.10	0.020	mg/L		10/23/13 11:30	10/25/13 01:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6700	B	16	1.4	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Antimony	<1.6		1.6	0.63	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Arsenic	7.2		0.78	0.16	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Barium	79	B	0.78	0.084	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Beryllium	0.59		0.31	0.028	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Cadmium	0.30		0.16	0.020	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Calcium	34000	B	16	4.2	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Chromium	33	B	0.78	0.091	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Cobalt	7.5	B	0.39	0.028	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Copper	26		0.78	0.069	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Iron	16000		16	6.4	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Lead	28	B	0.39	0.12	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Magnesium	13000	B	7.8	1.6	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Manganese	1200	B	7.8	0.43	mg/Kg	☼	10/17/13 09:00	10/21/13 13:05	10
Nickel	16	B	0.78	0.077	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Potassium	940	B	390	24	mg/Kg	☼	10/17/13 09:00	10/21/13 13:05	10
Selenium	0.38	J	0.78	0.28	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Silver	0.065	J	0.39	0.028	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Sodium	680	B	78	10	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Strontium	34	B ^	0.39	0.016	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Thallium	<0.78		0.78	0.33	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Vanadium	21	B	0.39	0.058	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1
Zinc	83	B	1.6	0.32	mg/Kg	☼	10/17/13 09:00	10/18/13 18:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/23/13 15:00	10/24/13 10:12	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		10/23/13 15:00	10/24/13 11:13	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	65		27	13	ug/Kg	☼	10/17/13 15:15	10/18/13 12:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.27		0.200	0.200	SU			10/18/13 13:19	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the 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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
*	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.
F	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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTA
2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-84902 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 1500 E. Bunker Ct. Ste 560
Address: Vernon Hills, IL 60061
Phone: 847-918-4048
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-64902
Chain of Custody Number:
Page 1 of 4
Temperature °C of Cooler: 4.4

Client: Weston | Client Project #:
Project Name: IDOT-021
Project Location/State: Lockport, IL | Lab Project #:
Sampler: Dan Cukierski | Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SAP Metals	pH	Comments
1		TG-4 (0.5-1.5)-101413	10/14/13	0810	2	S	X	X	X	X	X	
2		TG-4 (0.5-1.5)-101413 D	10/14/13	0810	2	S	X	X	X	X	X	
3		TG-5 (0.5-1.5)-101413	10/14/13	0830	2	S	X	X	X	X	X	
4		TG-6 (0.5-1.5)-101413	10/14/13	0835	2	S	X	X	X	X	X	
5		MT-1 (0.5-1.5)-101413	10/14/13	0845	2	S	X	X	X	X	X	
6		MT-2 (0.5-1.5)-101413	10/14/13	0905	2	S	X	X	X	X	X	
7		PC-1 (0.5-1.5)-101413	10/14/13	0920	2	S	X	X	X	X	X	
8		PC-2 (0.5-1.5)-101413	10/14/13	0930	2	S	X	X	X	X	X	
9		PV-1 (0.5-1.5)-101413	10/14/13	0945	2	S	X	X	X	X	X	
10		WL28-1 (0-4)-101413	10/14/13	1010	2	S	X	X	X	X	X	

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

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

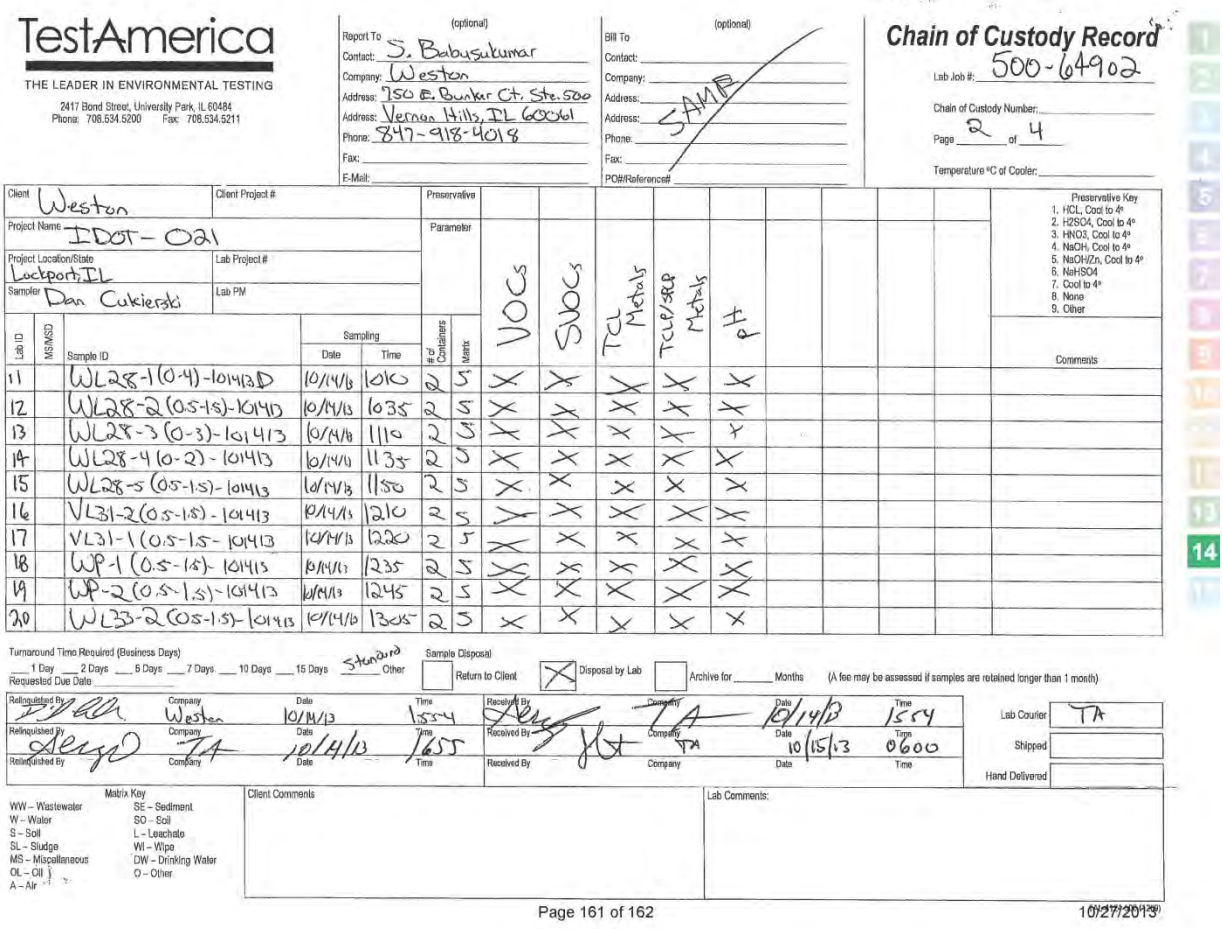
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/14/13	1554		TA	10/14/13	1554
	TA	10/14/13	1655		TA	10/15/13	0600

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

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

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

SAMP

Chain of Custody Record
Lab Job #: 500-64902
Chain of Custody Number:
Page 2 of 4
Temperature °C of Cooler:

Client: Weston | Client Project #:
Project Name: IDOT-021
Project Location/State: Lockport, IL | Lab Project #:
Sampler: Dan Cukierski | Lab PM:

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	Hg					Comments
11		WL28-1(0-4)-101413D	10/14/13	1010	2	S	X	X	X	X	X					
12		WL28-2(0.5-1.5)-101413	10/14/13	1035	2	S	X	X	X	X	X					
13		WL28-3(0-3)-101413	10/14/13	1110	2	S	X	X	X	X	X					
14		WL28-4(0-2)-101413	10/14/13	1135	2	S	X	X	X	X	X					
15		WL28-5(0.5-1.5)-101413	10/14/13	1150	2	S	X	X	X	X	X					
16		VL31-2(0.5-1.5)-101413	10/14/13	1210	2	S	X	X	X	X	X					
17		VL31-1(0.5-1.5)-101413	10/14/13	1220	2	S	X	X	X	X	X					
18		WP-1(0.5-1.5)-101413	10/14/13	1235	2	S	X	X	X	X	X					
19		WP-2(0.5-1.5)-101413	10/14/13	1245	2	S	X	X	X	X	X					
20		WL33-2(0.5-1.5)-101413	10/14/13	1305	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard Other
Requested Due Date:

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/14/13	1554		TA	10/14/13	1554
	TA	10/14/13	1655		TA	10/15/13	0600

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
Between 13803 and 14617 S. New Avenue

City: Lockport State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.622660425 (Decimal Degrees) Longitude: -88.050171733 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.622660425 Longitude: -88.050171733

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 WL28-2 WAS SAMPLED ADJACENT TO ISGS SITE No. 2518-28. SEE FIGURE 3-3 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-64902-1

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:

12/24/13
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2518-28
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	WL28-2(0.5-1.5)-101413	Soil Reference Concentrations[A]
Sample Date	10/14/2013	
Location ID	WL28-2	
Depth	0.5 - 1.5	
Parameter		
Laboratory pH (s.u.)	7.77	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
Acenaphthylene	11 J	85000
Anthracene	29 J	1.20E+07
Benzo(a)anthracene	160	900 / 1100 / 1800
Benzo(a)pyrene	160	90 / 1300 / 2100
Benzo(b)fluoranthene	210	900 / 1500 / 2100
Benzo(g,h,i)perylene	240	2300000
Benzo(k)fluoranthene	69	9000
Chrysene	220	88000
Dibenzo(a,h)anthracene	62	90 / 200 / 420
Fluoranthene	140	3100000
Indeno(1,2,3-cd)pyrene	110	900 / 900 / 1600
Naphthalene, SVOC	15 J	1600
Phenanthrene	100	210000
Pyrene	220	2300000
Total Metals (mg/kg)		
Aluminum, Total	5000 B	9200 / 9500
Arsenic, Total	9.1	11.3 / 13
Barium, Total	42 B	1500
Beryllium, Total	0.44	22
Cadmium, Total	0.44	5.2
Calcium, Total	51000 B	---
Chromium, Total	15 B	21
Cobalt, Total	5.8 B	20
Copper, Total	31	2900
Iron, Total	16000	15000 / 15900
Lead, Total	130 B	107
Magnesium, Total	30000 B	325000
Manganese, Total	430 B	630 / 636
Mercury, Total	0.058 J	0.89
Nickel, Total	16 B	100
Potassium, Total	1100 B	---
Sodium, Total	290 B	---
Strontium, Total	26 J	84
Thallium, Total	0.45 J	2.6
Vanadium, Total	14 B	550
Zinc, Total	98 B	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.43 J	2
Manganese, TCLP	0.033	0.15
SPLP Metals (mg/l)		
Arsenic, SPLP	0.041 J	0.05
Barium, SPLP	0.34 J	2
Chromium, SPLP	0.052	0.1
Cobalt, SPLP	0.026	1
Copper, SPLP	0.13	0.65
Iron, SPLP	79	5
Lead, SPLP	0.19	0.0075
Manganese, SPLP	0.62	0.15
Mercury, SPLP	0.00015 J	0.002
Nickel, SPLP	0.072	0.1
Zinc, SPLP	0.35 B	5

Summary Table of ISGS Site No. 2518-28
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Notes:

— - not applicable or value not available.

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

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: 500-64902-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/27/2013 12:31:44 PM

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

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: WL28-2(0.5-1.5)-101413
Date Collected: 10/14/13 10:35
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-12
Matrix: Solid
Percent Solids: 77.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6.4	2.8	ug/Kg			10/18/13 15:31	1
Benzene	<6.4		6.4	0.88	ug/Kg			10/18/13 15:31	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg			10/18/13 15:31	1
Bromoform	<6.4		6.4	1.5	ug/Kg			10/18/13 15:31	1
Bromomethane	<6.4		6.4	1.9	ug/Kg			10/18/13 15:31	1
Carbon disulfide	<6.4		6.4	0.96	ug/Kg			10/18/13 15:31	1
Carbon tetrachloride	<6.4		6.4	1.2	ug/Kg			10/18/13 15:31	1
Chlorobenzene	<6.4		6.4	0.65	ug/Kg			10/18/13 15:31	1
Chloroethane	<6.4		6.4	1.7	ug/Kg			10/18/13 15:31	1
Chloroform	<6.4		6.4	0.74	ug/Kg			10/18/13 15:31	1
Chloromethane	<6.4		6.4	1.4	ug/Kg			10/18/13 15:31	1
cis-1,2-Dichloroethene	<6.4		6.4	0.91	ug/Kg			10/18/13 15:31	1
cis-1,3-Dichloropropene	<6.4		6.4	0.84	ug/Kg			10/18/13 15:31	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg			10/18/13 15:31	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg			10/18/13 15:31	1
1,2-Dichloroethane	<6.4		6.4	0.95	ug/Kg			10/18/13 15:31	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg			10/18/13 15:31	1
1,2-Dichloropropane	<6.4		6.4	0.98	ug/Kg			10/18/13 15:31	1
1,3-Dichloropropene, Total	<6.4		6.4	0.84	ug/Kg			10/18/13 15:31	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg			10/18/13 15:31	1
2-Hexanone	<6.4		6.4	1.9	ug/Kg			10/18/13 15:31	1
Methylene Chloride	<6.4		6.4	1.7	ug/Kg			10/18/13 15:31	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg			10/18/13 15:31	1
methyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg			10/18/13 15:31	1
Methyl tert-butyl ether	<6.4		6.4	1.1	ug/Kg			10/18/13 15:31	1
Styrene	<6.4		6.4	0.84	ug/Kg			10/18/13 15:31	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg			10/18/13 15:31	1
Tetrachloroethene	<6.4		6.4	0.98	ug/Kg			10/18/13 15:31	1
Toluene	<6.4		6.4	0.90	ug/Kg			10/18/13 15:31	1
trans-1,2-Dichloroethene	<6.4		6.4	0.89	ug/Kg			10/18/13 15:31	1
trans-1,3-Dichloropropene	<6.4		6.4	1.2	ug/Kg			10/18/13 15:31	1
1,1,1-Trichloroethane	<6.4		6.4	0.96	ug/Kg			10/18/13 15:31	1
1,1,2-Trichloroethane	<6.4		6.4	0.88	ug/Kg			10/18/13 15:31	1
Trichloroethene	<6.4		6.4	1.1	ug/Kg			10/18/13 15:31	1
Vinyl chloride	<6.4		6.4	1.4	ug/Kg			10/18/13 15:31	1
Xylenes, Total	<13		13	0.58	ug/Kg			10/18/13 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*10/18/13 15:31*	*1*
Dibromofluoromethane	*114*		*75 - 120*		*10/18/13 15:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 134*		*10/18/13 15:31*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*10/18/13 15:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	48	ug/Kg		10/18/13 16:57	10/24/13 13:53	1
1,2-Dichlorobenzene	<210		210	46	ug/Kg		10/18/13 16:57	10/24/13 13:53	1
1,3-Dichlorobenzene	<210		210	44	ug/Kg		10/18/13 16:57	10/24/13 13:53	1
1,4-Dichlorobenzene	<210		210	44	ug/Kg		10/18/13 16:57	10/24/13 13:53	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg		10/18/13 16:57	10/24/13 13:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: WL28-2(0.5-1.5)-101413
Date Collected: 10/14/13 10:35
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-12
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	120	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2,4,6-Trichlorophenol	<420		420	53	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2,4-Dichlorophenol	<420		420	130	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2,4-Dimethylphenol	<420		420	130	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2,4-Dinitrophenol	<850		850	220	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2,6-Dinitrotoluene	<210		210	50	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2-Chloronaphthalene	<210		210	48	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2-Chlorophenol	<210		210	60	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2-Methylnaphthalene	<210		210	55	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2-Methylphenol	<210		210	56	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2-Nitroaniline	<210		210	76	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
2-Nitrophenol	<420		420	66	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
3 & 4 Methylphenol	<210		210	80	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
3,3'-Dichlorobenzidine	<210		210	35	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
3-Nitroaniline	<420		420	81	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
4,6-Dinitro-2-methylphenol	<420		420	100	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
4-Bromophenyl phenyl ether	<210		210	47	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
4-Chloro-3-methylphenol	<420		420	200	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
4-Chloroaniline	<850		850	130	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
4-Chlorophenyl phenyl ether	<210		210	66	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
4-Nitroaniline	<420		420	87	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
4-Nitrophenol	<850		850	230	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Acenaphthene	<42		42	13	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Acenaphthylene	11	J	42	9.7	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Anthracene	29	J	42	9.9	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Benzo[a]anthracene	160		42	8.8	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Benzo[a]pyrene	160		42	7.7	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Benzo[b]fluoranthene	210		42	8.2	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Benzo[g,h,i]perylene	240		42	14	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Benzo[k]fluoranthene	69		42	10	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Bis(2-chloroethoxy)methane	<210		210	47	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Bis(2-ethylhexyl) phthalate	<210		210	56	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Butyl benzyl phthalate	<210		210	53	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Carbazole	<210		210	59	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Chrysene	220		42	9.5	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Dibenz(a,h)anthracene	62		42	12	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Dibenzofuran	<210		210	51	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Di-n-butyl phthalate	<210		210	53	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Di-n-octyl phthalate	<210		210	86	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Fluoranthene	140		42	17	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Fluorene	<42		42	9.6	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Hexachlorobenzene	<85		85	8.3	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Hexachlorobutadiene	<210		210	56	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Hexachlorocyclopentadiene	<850		850	200	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Hexachloroethane	<210		210	45	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: WL28-2(0.5-1.5)-101413
Date Collected: 10/14/13 10:35
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-12
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	110		42	14	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Isophorone	<210		210	47	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Naphthalene	15	J	42	8.1	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Nitrobenzene	<42		42	13	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
N-Nitrosodi-n-propylamine	<210		210	54	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
N-Nitrosodiphenylamine	<210		210	57	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Pentachlorophenol	<850		850	210	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Phenanthrene	100		42	18	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Phenol	<210		210	67	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1
Pyrene	220		42	15	ug/Kg	☼	10/18/13 16:57	10/24/13 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*35 - 137*	*10/18/13 16:57*	*10/24/13 13:53*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*10/18/13 16:57*	*10/24/13 13:53*	*1*
2-Fluorophenol	*52*		*25 - 110*	*10/18/13 16:57*	*10/24/13 13:53*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*10/18/13 16:57*	*10/24/13 13:53*	*1*
Phenol-d5	*61*		*31 - 110*	*10/18/13 16:57*	*10/24/13 13:53*	*1*
Terphenyl-d14	*106*		*36 - 134*	*10/18/13 16:57*	*10/24/13 13:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/24/13 22:29	1
Barium	0.43	J B	0.50	0.010	mg/L		10/23/13 11:30	10/24/13 22:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/13 11:30	10/24/13 22:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/13 11:30	10/24/13 22:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 22:29	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/24/13 22:29	1
Copper	<0.025		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 22:29	1
Iron	<0.20		0.20	0.20	mg/L		10/23/13 11:30	10/24/13 22:29	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/23/13 11:30	10/24/13 22:29	1
Manganese	0.033		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 22:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 22:29	1
Selenium	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/24/13 22:29	1
Silver	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/24/13 22:29	1
Zinc	0.044	J B	0.10	0.020	mg/L		10/23/13 11:30	10/24/13 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.041	J	0.050	0.010	mg/L		10/23/13 11:30	10/25/13 01:59	1
Barium	0.34	J	0.50	0.010	mg/L		10/23/13 11:30	10/25/13 01:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/13 11:30	10/25/13 01:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/13 11:30	10/25/13 01:59	1
Chromium	0.052		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 01:59	1
Cobalt	0.026		0.025	0.0050	mg/L		10/23/13 11:30	10/25/13 01:59	1
Copper	0.13		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 01:59	1
Iron	79		0.20	0.20	mg/L		10/23/13 11:30	10/25/13 01:59	1
Lead	0.19		0.0075	0.0050	mg/L		10/23/13 11:30	10/25/13 01:59	1
Manganese	0.62		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 01:59	1
Nickel	0.072		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 01:59	1
Selenium	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/25/13 01:59	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: WL28-2(0.5-1.5)-101413
Date Collected: 10/14/13 10:35
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/25/13 01:59	1
Zinc	0.35	B	0.10	0.020	mg/L		10/23/13 11:30	10/25/13 01:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5000	B	12	1.1	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Antimony	<1.2		1.2	0.48	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Arsenic	9.1		0.60	0.12	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Barium	42	B	0.60	0.064	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Beryllium	0.44		0.24	0.021	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Cadmium	0.44		0.12	0.015	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Calcium	51000	B	12	3.2	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Chromium	15	B	0.60	0.069	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Cobalt	5.8	B	0.30	0.021	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Copper	31		0.60	0.053	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Iron	16000		12	4.9	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Lead	130	B	0.30	0.089	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Magnesium	30000	B	6.0	1.2	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Manganese	430	B	0.60	0.032	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Nickel	16	B	0.60	0.059	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Potassium	1100	B	30	1.8	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Sodium	290	B	60	8.0	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Strontium	26	B ^	0.30	0.012	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Thallium	0.45	J	0.60	0.25	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Vanadium	14	B	0.30	0.044	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1
Zinc	98	B	1.2	0.24	mg/Kg	☼	10/17/13 09:00	10/18/13 19:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/23/13 15:00	10/24/13 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15	J	0.20	0.020	ug/L		10/23/13 15:00	10/24/13 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	58		21	10	ug/Kg	☼	10/17/13 15:15	10/18/13 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.77		0.200	0.200	SU			10/18/13 13:54	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the 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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
*	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.
F	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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTA
2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-84902 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 1500 E. Bunker Ct. Ste 560
Address: Vernon Hills, IL 60061
Phone: 847-918-4048
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-64902
Chain of Custody Number:
Page 1 of 4
Temperature °C of Cooler: 4.4

Client: Weston | Client Project #:
Project Name: IDOT - 021 | Lab Project #:
Project Location/State: Lockport, IL | Lab PM:
Sampler: Dan Cukierski

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SAP Metals	pH	Comments
1		TG-4 (0.5-1.5)-101413	10/14/13	0810	2	S	X	X	X	X	X	
2		TG-4 (0.5-1.5)-101413 D	10/14/13	0810	2	S	X	X	X	X	X	
3		TG-5 (0.5-1.5)-101413	10/14/13	0830	2	S	X	X	X	X	X	
4		TG-6 (0.5-1.5)-101413	10/14/13	0835	2	S	X	X	X	X	X	
5		MT-1 (0.5-1.5)-101413	10/14/13	0845	2	S	X	X	X	X	X	
6		MT-2 (0.5-1.5)-101413	10/14/13	0905	2	S	X	X	X	X	X	
7		PC-1 (0.5-1.5)-101413	10/14/13	0920	2	S	X	X	X	X	X	
8		PC-2 (0.5-1.5)-101413	10/14/13	0930	2	S	X	X	X	X	X	
9		PV-1 (0.5-1.5)-101413	10/14/13	0945	2	S	X	X	X	X	X	
10		WL28-1 (0-4)-101413	10/14/13	1010	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time
	Weston	10/14/13	1554
	TA	10/14/13	1655

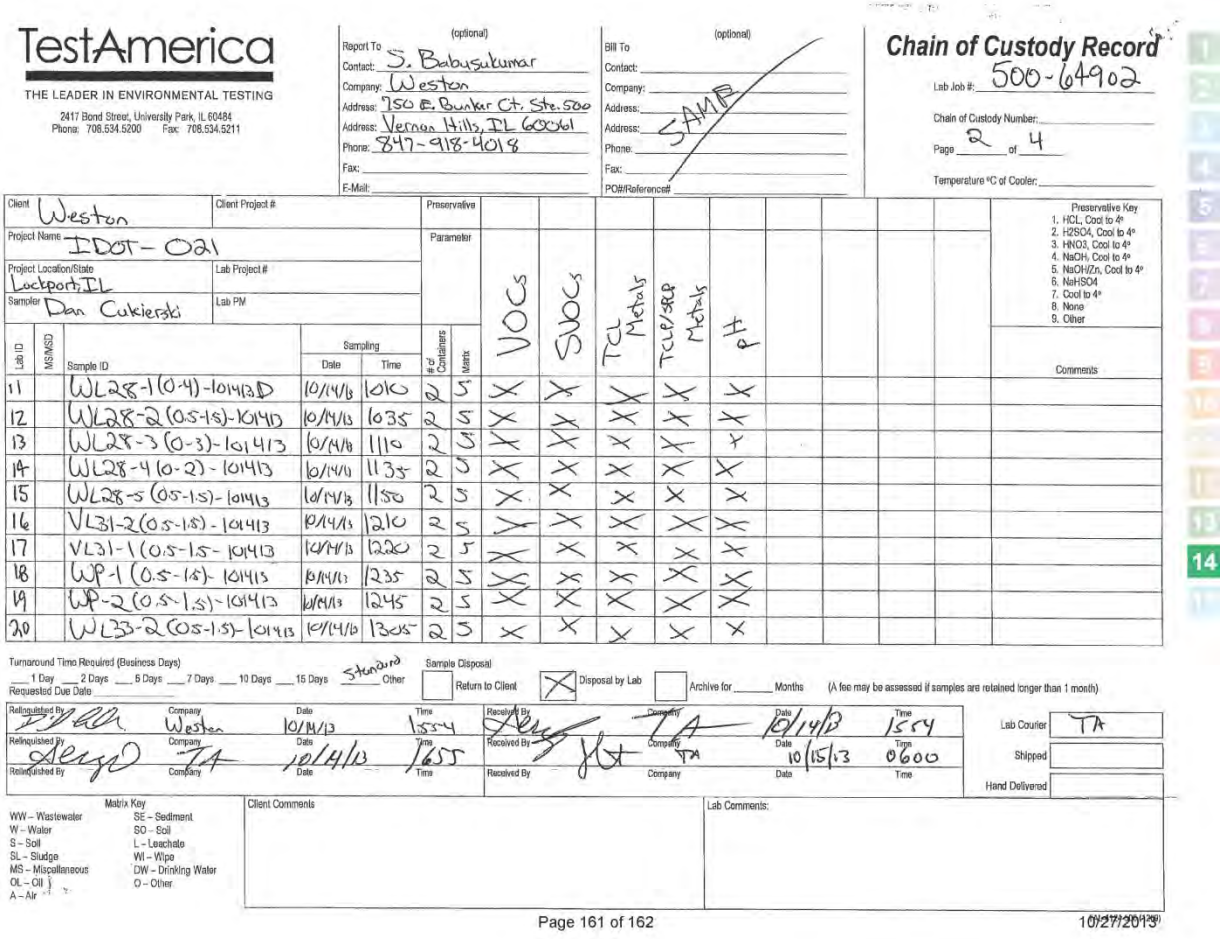
Received By	Company	Date	Time
	TA	10/14/13	1554
	TA	10/15/13	0600

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

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

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

SAMP

Chain of Custody Record
Lab Job #: 500-64902
Chain of Custody Number:
Page 2 of 4
Temperature °C of Cooler:

Client: Weston | Client Project #:
Project Name: IDOT-021
Project Location/State: Lockport, IL | Lab Project #:
Sampler: Dan Cukierski | Lab PM:

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	Hg					Comments
11		WL28-1(0-4)-101413D	10/14/13	1010	2	S	X	X	X	X	X					
12		WL28-2(0.5-1.5)-101413	10/14/13	1035	2	S	X	X	X	X	X					
13		WL28-3(0-3)-101413	10/14/13	1110	2	S	X	X	X	X	X					
14		WL28-4(0-2)-101413	10/14/13	1135	2	S	X	X	X	X	X					
15		WL28-5(0.5-1.5)-101413	10/14/13	1150	2	S	X	X	X	X	X					
16		VL31-2(0.5-1.5)-101413	10/14/13	1210	2	S	X	X	X	X	X					
17		VL31-1(0.5-1.5)-101413	10/14/13	1220	2	S	X	X	X	X	X					
18		WP-1(0.5-1.5)-101413	10/14/13	1235	2	S	X	X	X	X	X					
19		WP-2(0.5-1.5)-101413	10/14/13	1245	2	S	X	X	X	X	X					
20		WL33-2(0.5-1.5)-101413	10/14/13	1305	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard Other
Requested Due Date:

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/14/13	1554		TA	10/14/13	1554
	TA	10/14/13	1655		TA	10/15/13	0600

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
13803 S. New Avenue

City: Lockport State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.635464357 (Decimal Degrees) Longitude: -88.049031414 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.635464357 Longitude: -88.049031414

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 WP-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2518-32. SEE FIGURE 3-5 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: 500-64902-1

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:

12/24/13
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2518-32
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	WP-1(0.5-1.5)-101413	Soil Reference Concentrations[A]
Sample Date	10/14/2013	
Location ID	WP-1	
Depth	0.5 - 1.5	
Parameter		
Laboratory pH (s.u.)	7.82	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
2-Methylnaphthalene	58 J	—
Acenaphthylene	24 J	85000
Anthracene	69	1.20E+07
Benzo(a)anthracene	480	900 / 1100 / 1800
Benzo(a)pyrene	490	90 / 1300 / 2100
Benzo(b)fluoranthene	690	900 / 1500 / 2100
Benzo(g,h,i)perylene	440	2300000
Benzo(k)fluoranthene	220	9000
bis(2-Ethylhexyl)phthalate	84 J	46000
Chrysene	620	88000
Dibenzo(a,h)anthracene	170	90 / 200 / 420
Fluoranthene	640	3100000
Fluorene	17 J	560000
Indeno(1,2,3-cd)pyrene	310	900 / 900 / 1600
Naphthalene, SVOC	37 J	1600
Phenanthrene	290	210000
Pyrene	610	2300000
Total Metals (mg/kg)		
Aluminum, Total	6400 B	9200 / 9500
Arsenic, Total	8.5	11.3 / 13
Barium, Total	83 B	1500
Beryllium, Total	0.55	22
Cadmium, Total	0.6	5.2
Calcium, Total	54000 B	—
Chromium, Total	16 B	21
Cobalt, Total	7.2 B	20
Copper, Total	33	2900
Iron, Total	17000	15000 / 15900
Lead, Total	130 B	107
Magnesium, Total	30000 B	325000
Manganese, Total	530 B	630 / 636
Mercury, Total	0.066 J	0.89
Nickel, Total	17 B	100
Potassium, Total	1300 B	—
Silver, Total	0.038 J	4.4
Sodium, Total	870 B	—
Strontium, Total	39 J	84
Thallium, Total	0.42 J	2.6
Vanadium, Total	17 B	550
Zinc, Total	110 B	5100
TCLP Metals (mg/l)		
Barium, TCLP	1 B	2
Copper, TCLP	0.02 J	0.65
Manganese, TCLP	0.083	0.15
Mercury, TCLP	0.00002 J	0.002
Zinc, TCLP	0.45 B	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.039 J	0.05
Barium, SPLP	0.3 J	2
Chromium, SPLP	0.069	0.1
Cobalt, SPLP	0.024 J	1
Copper, SPLP	0.13	0.65
Iron, SPLP	77	5
Lead, SPLP	0.22	0.0075
Manganese, SPLP	0.66	0.15
Mercury, SPLP	0.00019 J	0.002
Nickel, SPLP	0.077	0.1
Zinc, SPLP	0.43 B	5

Summary Table of ISGS Site No. 2518-32
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Notes:
— - not applicable or value not available.
[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.
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: 500-64902-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/27/2013 12:31:44 PM

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

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: WP-1(0.5-1.5)-101413
Date Collected: 10/14/13 12:35
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-18
Matrix: Solid
Percent Solids: 75.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.6		6.6	2.9	ug/Kg			10/18/13 17:54	1
Benzene	<6.6		6.6	0.91	ug/Kg			10/18/13 17:54	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg			10/18/13 17:54	1
Bromoform	<6.6		6.6	1.5	ug/Kg			10/18/13 17:54	1
Bromomethane	<6.6		6.6	2.0	ug/Kg			10/18/13 17:54	1
Carbon disulfide	<6.6		6.6	0.99	ug/Kg			10/18/13 17:54	1
Carbon tetrachloride	<6.6		6.6	1.2	ug/Kg			10/18/13 17:54	1
Chlorobenzene	<6.6		6.6	0.67	ug/Kg			10/18/13 17:54	1
Chloroethane	<6.6		6.6	1.8	ug/Kg			10/18/13 17:54	1
Chloroform	<6.6		6.6	0.76	ug/Kg			10/18/13 17:54	1
Chloromethane	<6.6		6.6	1.4	ug/Kg			10/18/13 17:54	1
cis-1,2-Dichloroethene	<6.6		6.6	0.94	ug/Kg			10/18/13 17:54	1
cis-1,3-Dichloropropene	<6.6		6.6	0.87	ug/Kg			10/18/13 17:54	1
Dibromochloromethane	<6.6		6.6	1.2	ug/Kg			10/18/13 17:54	1
1,1-Dichloroethane	<6.6		6.6	1.1	ug/Kg			10/18/13 17:54	1
1,2-Dichloroethane	<6.6		6.6	0.98	ug/Kg			10/18/13 17:54	1
1,1-Dichloroethene	<6.6		6.6	1.1	ug/Kg			10/18/13 17:54	1
1,2-Dichloropropane	<6.6		6.6	1.0	ug/Kg			10/18/13 17:54	1
1,3-Dichloropropene, Total	<6.6		6.6	0.87	ug/Kg			10/18/13 17:54	1
Ethylbenzene	<6.6		6.6	1.3	ug/Kg			10/18/13 17:54	1
2-Hexanone	<6.6		6.6	1.9	ug/Kg			10/18/13 17:54	1
Methylene Chloride	<6.6		6.6	1.8	ug/Kg			10/18/13 17:54	1
Methyl Ethyl Ketone	<6.6		6.6	2.4	ug/Kg			10/18/13 17:54	1
methyl isobutyl ketone	<6.6		6.6	1.7	ug/Kg			10/18/13 17:54	1
Methyl tert-butyl ether	<6.6		6.6	1.1	ug/Kg			10/18/13 17:54	1
Styrene	<6.6		6.6	0.87	ug/Kg			10/18/13 17:54	1
1,1,2,2-Tetrachloroethane	<6.6		6.6	1.3	ug/Kg			10/18/13 17:54	1
Tetrachloroethene	<6.6		6.6	1.0	ug/Kg			10/18/13 17:54	1
Toluene	<6.6		6.6	0.93	ug/Kg			10/18/13 17:54	1
trans-1,2-Dichloroethene	<6.6		6.6	0.91	ug/Kg			10/18/13 17:54	1
trans-1,3-Dichloropropene	<6.6		6.6	1.2	ug/Kg			10/18/13 17:54	1
1,1,1-Trichloroethane	<6.6		6.6	0.99	ug/Kg			10/18/13 17:54	1
1,1,2-Trichloroethane	<6.6		6.6	0.91	ug/Kg			10/18/13 17:54	1
Trichloroethene	<6.6		6.6	1.1	ug/Kg			10/18/13 17:54	1
Vinyl chloride	<6.6		6.6	1.4	ug/Kg			10/18/13 17:54	1
Xylenes, Total	<13		13	0.60	ug/Kg			10/18/13 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*10/18/13 17:54*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*10/18/13 17:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*		*10/18/13 17:54*	*1*
Toluene-d8 (Surr)	*104*		*75 - 122*		*10/18/13 17:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	48	ug/Kg		10/18/13 16:57	10/24/13 04:23	1
1,2-Dichlorobenzene	<210		210	46	ug/Kg		10/18/13 16:57	10/24/13 04:23	1
1,3-Dichlorobenzene	<210		210	44	ug/Kg		10/18/13 16:57	10/24/13 04:23	1
1,4-Dichlorobenzene	<210		210	44	ug/Kg		10/18/13 16:57	10/24/13 04:23	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg		10/18/13 16:57	10/24/13 04:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: WP-1(0.5-1.5)-101413
Date Collected: 10/14/13 12:35
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-18
Matrix: Solid
Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	120	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2,4,6-Trichlorophenol	<420		420	53	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2,4-Dichlorophenol	<420		420	130	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2,4-Dimethylphenol	<420		420	130	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2,4-Dinitrophenol	<850		850	220	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2,4-Dinitrotoluene	<210		210	64	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2,6-Dinitrotoluene	<210		210	50	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2-Chlorophenol	<210		210	60	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2-Methylnaphthalene	58	J	210	55	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2-Methylphenol	<210		210	56	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2-Nitroaniline	<210		210	76	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
2-Nitrophenol	<420		420	66	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
3 & 4 Methylphenol	<210		210	80	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
3,3'-Dichlorobenzidine	<210		210	35	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
3-Nitroaniline	<420		420	81	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
4,6-Dinitro-2-methylphenol	<420		420	100	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
4-Bromophenyl phenyl ether	<210		210	47	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
4-Chloro-3-methylphenol	<420		420	200	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
4-Chloroaniline	<850		850	130	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
4-Chlorophenyl phenyl ether	<210		210	66	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
4-Nitroaniline	<420		420	86	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
4-Nitrophenol	<850		850	230	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Acenaphthene	<42		42	13	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Acenaphthylene	24	J	42	9.7	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Anthracene	69		42	9.9	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Benzo[a]anthracene	480		42	8.8	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Benzo[a]pyrene	490		42	7.7	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Benzo[b]fluoranthene	690		42	8.2	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Benzo[g,h,i]perylene	440		42	14	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Benzo[k]fluoranthene	220		42	10	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Bis(2-chloroethoxy)methane	<210		210	46	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Bis(2-ethylhexyl) phthalate	84	J	210	56	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Butyl benzyl phthalate	<210		210	53	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Carbazole	<210		210	59	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Chrysene	620		42	9.5	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Dibenz(a,h)anthracene	170		42	12	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Dibenzofuran	<210		210	51	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Di-n-butyl phthalate	<210		210	53	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Di-n-octyl phthalate	<210		210	85	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Fluoranthene	640		42	17	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Fluorene	17	J	42	9.6	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Hexachlorobenzene	<85		85	8.3	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Hexachlorobutadiene	<210		210	56	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Hexachlorocyclopentadiene	<850		850	190	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Hexachloroethane	<210		210	45	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: WP-1(0.5-1.5)-101413
Date Collected: 10/14/13 12:35
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-18
Matrix: Solid
Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	310		42	14	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Isophorone	<210		210	47	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Naphthalene	37	J	42	8.1	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Nitrobenzene	<42		42	13	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
N-Nitrosodi-n-propylamine	<210		210	53	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
N-Nitrosodiphenylamine	<210		210	57	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Pentachlorophenol	<850		850	210	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Phenanthrene	290		42	18	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Phenol	<210		210	67	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1
Pyrene	610		42	15	ug/Kg	☼	10/18/13 16:57	10/24/13 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*10/18/13 16:57*	*10/24/13 04:23*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*10/18/13 16:57*	*10/24/13 04:23*	*1*
2-Fluorophenol	*47*		*25 - 110*	*10/18/13 16:57*	*10/24/13 04:23*	*1*
Nitrobenzene-d5	*51*		*25 - 115*	*10/18/13 16:57*	*10/24/13 04:23*	*1*
Phenol-d5	*58*		*31 - 110*	*10/18/13 16:57*	*10/24/13 04:23*	*1*
Terphenyl-d14	*66*		*36 - 134*	*10/18/13 16:57*	*10/24/13 04:23*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/24/13 23:23	1
Barium	1.0	B	0.50	0.010	mg/L		10/23/13 11:30	10/24/13 23:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/13 11:30	10/24/13 23:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/13 11:30	10/24/13 23:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 23:23	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/24/13 23:23	1
Copper	0.020	J	0.025	0.010	mg/L		10/23/13 11:30	10/24/13 23:23	1
Iron	<0.20		0.20	0.20	mg/L		10/23/13 11:30	10/24/13 23:23	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/23/13 11:30	10/24/13 23:23	1
Manganese	0.083		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 23:23	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 23:23	1
Selenium	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/24/13 23:23	1
Silver	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/24/13 23:23	1
Zinc	0.45	B	0.10	0.020	mg/L		10/23/13 11:30	10/24/13 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.039	J	0.050	0.010	mg/L		10/23/13 11:30	10/25/13 02:37	1
Barium	0.30	J	0.50	0.010	mg/L		10/23/13 11:30	10/25/13 02:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/13 11:30	10/25/13 02:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/13 11:30	10/25/13 02:37	1
Chromium	0.069		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 02:37	1
Cobalt	0.024	J	0.025	0.0050	mg/L		10/23/13 11:30	10/25/13 02:37	1
Copper	0.13		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 02:37	1
Iron	77		0.20	0.20	mg/L		10/23/13 11:30	10/25/13 02:37	1
Lead	0.22		0.0075	0.0050	mg/L		10/23/13 11:30	10/25/13 02:37	1
Manganese	0.66		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 02:37	1
Nickel	0.077		0.025	0.010	mg/L		10/23/13 11:30	10/25/13 02:37	1
Selenium	<0.050		0.050	0.010	mg/L		10/23/13 11:30	10/25/13 02:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Client Sample ID: WP-1(0.5-1.5)-101413
Date Collected: 10/14/13 12:35
Date Received: 10/15/13 06:00

Lab Sample ID: 500-64902-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/25/13 02:37	1
Zinc	0.43	B	0.10	0.020	mg/L		10/23/13 11:30	10/25/13 02:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6400	B	12	1.1	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Antimony	<1.2		1.2	0.49	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Arsenic	8.5		0.61	0.12	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Barium	83	B	0.61	0.065	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Beryllium	0.55		0.24	0.022	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Cadmium	0.60		0.12	0.016	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Calcium	54000	B	12	3.3	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Chromium	16	B	0.61	0.071	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Cobalt	7.2	B	0.31	0.022	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Copper	33		0.61	0.054	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Iron	17000		12	5.0	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Lead	130	B	0.31	0.091	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Magnesium	30000	B	6.1	1.3	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Manganese	530	B	0.61	0.033	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Nickel	17	B	0.61	0.060	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Potassium	1300	B	31	1.8	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Selenium	<0.61		0.61	0.22	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Silver	0.038	J	0.31	0.022	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Sodium	870	B	61	8.2	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Strontium	39	B ^	0.31	0.012	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Thallium	0.42	J	0.61	0.26	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Vanadium	17	B	0.31	0.045	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1
Zinc	110	B	1.2	0.25	mg/Kg	☼	10/17/13 09:00	10/18/13 20:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	J	0.20	0.020	ug/L		10/23/13 15:00	10/24/13 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19	J	0.20	0.020	ug/L		10/23/13 15:00	10/24/13 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	66		21	9.7	ug/Kg	☼	10/17/13 15:15	10/18/13 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.82		0.200	0.200	SU			10/18/13 14:20	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the 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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
*	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.
F	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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64902-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTA
2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-84902 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 1500 E. Bunker Ct. Ste 560
Address: Vernon Hills, IL 60061
Phone: 847-918-4048
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-64902
Chain of Custody Number:
Page 1 of 4
Temperature °C of Cooler: 4.4

Client: Weston | Client Project #:
Project Name: IDOT - 021
Project Location/State: Lockport, IL | Lab Project #:
Sampler: Dan Cukierski | Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SAP Metals	pH					Comments
1		TG-4 (0.5-1.5)-101413	10/14/13	0810	2	S	X	X	X	X	X					
2		TG-4 (0.5-1.5)-101413 D	10/14/13	0810	2	S	X	X	X	X	X					
3		TG-5 (0.5-1.5)-101413	10/14/13	0830	2	S	X	X	X	X	X					
4		TG-6 (0.5-1.5)-101413	10/14/13	0835	2	S	X	X	X	X	X					
5		MT-1 (0.5-1.5)-101413	10/14/13	0845	2	S	X	X	X	X	X					
6		MT-2 (0.5-1.5) - 101413	10/14/13	0905	2	S	X	X	X	X	X					
7		PC-1 (0.5-1.5)-101413	10/14/13	0920	2	S	X	X	X	X	X					
8		PC-2 (0.5-1.5)-101413	10/14/13	0930	2	S	X	X	X	X	X					
9		PV-1 (0.5-1.5)-101413	10/14/13	0945	2	S	X	X	X	X	X					
10		WL28-1 (0-4)-101413	10/14/13	1010	2	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time
	Weston	10/14/13	1554
	TA	10/14/13	1655

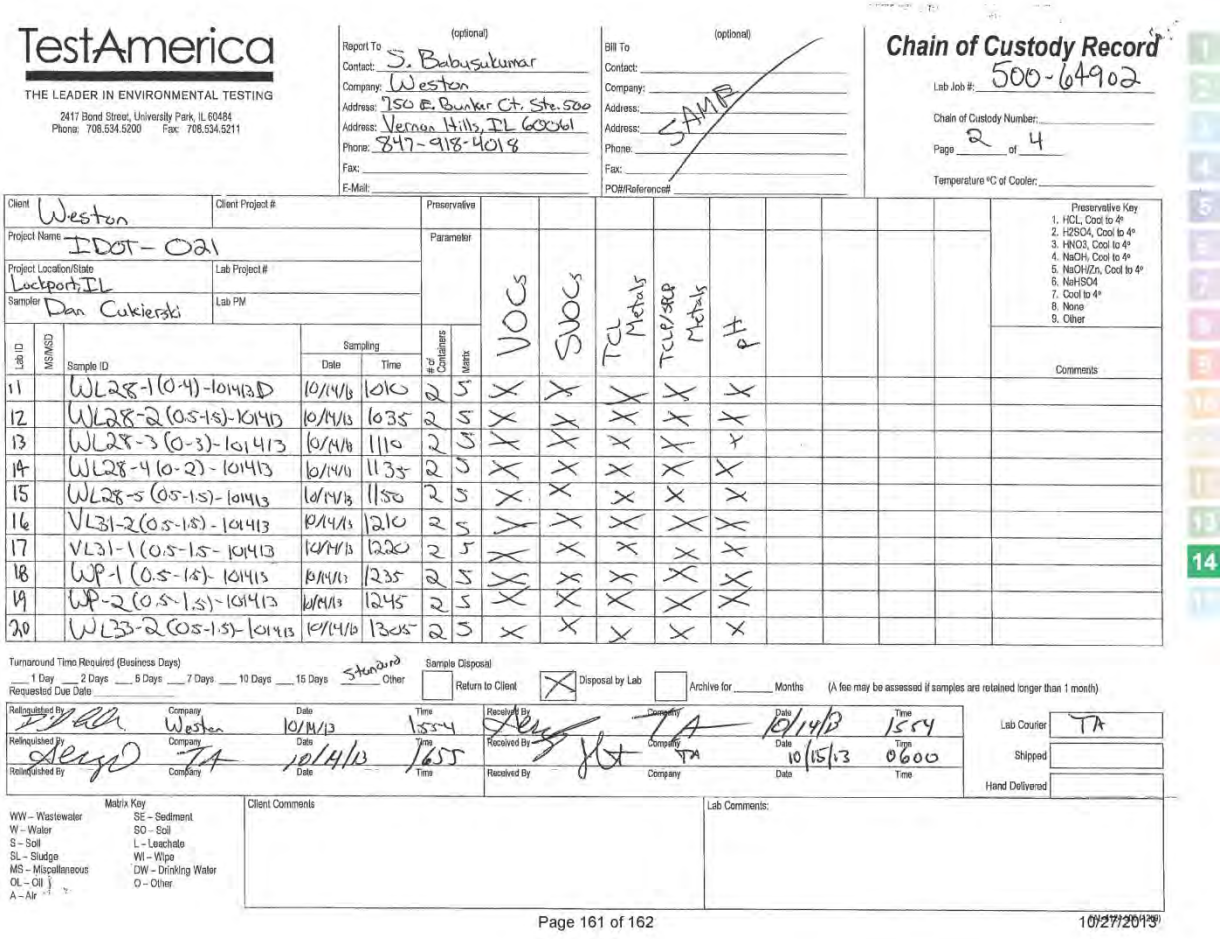
Received By	Company	Date	Time
	TA	10/14/13	1554
	TA	10/15/13	0600

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

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

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

SAMP

Chain of Custody Record
Lab Job #: 500-64902
Chain of Custody Number:
Page 2 of 4
Temperature °C of Cooler:

Client: Weston | Client Project #:
Project Name: IDOT - 021
Project Location/State: Lockport, IL | Lab Project #:
Sampler: Dan Cukierski | Lab PM:

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	TP					Comments
11		WL28-1(0-4)-101413D	10/14/13	1010	2	S	X	X	X	X	X					
12		WL28-2(0.5-1.5)-101413	10/14/13	1035	2	S	X	X	X	X	X					
13		WL28-3(0-3)-101413	10/14/13	1110	2	S	X	X	X	X	X					
14		WL28-4(0-2)-101413	10/14/13	1135	2	S	X	X	X	X	X					
15		WL28-5(0.5-1.5)-101413	10/14/13	1150	2	S	X	X	X	X	X					
16		VL31-2(0.5-1.5)-101413	10/14/13	1210	2	S	X	X	X	X	X					
17		VL31-1(0.5-1.5)-101413	10/14/13	1220	2	S	X	X	X	X	X					
18		WP-1(0.5-1.5)-101413	10/14/13	1235	2	S	X	X	X	X	X					
19		WP-2(0.5-1.5)-101413	10/14/13	1245	2	S	X	X	X	X	X					
20		WL33-2(0.5-1.5)-101413	10/14/13	1305	2	S	X	X	X	X	X					

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

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date:

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/14/13	1554		TA	10/14/13	1554
	TA	10/14/13	1655		TA	10/15/13	0600

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
North of 415 S. New Avenue

City: Lockport State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.654215919 (Decimal Degrees) Longitude: -88.046965385 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.654215919 Longitude: -88.046965385

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 TF-7, TF-8, TF-9, AND TF-12 WERE SAMPLED ADJACENT TO ISGS SITE No. 2518-39. SEE FIGURE 3-7 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 REPORTS - JOB ID: 500-64982-1 AND 500-64983-1

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:

12/24/13
Date:

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196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS
P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 2518-39
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	TF-7(0-0.5)-101513	TF-8(0-0.3)-101513	TF-9(0-0.3)-101513	TF-12(0-0.3)-101513	Soil Reference Concentrations[A]
Sample Date	10/15/2013	10/15/2013	10/15/2013	10/15/2013	
Location ID	TF-7	TF-8	TF-9	TF-12	
Depth	0 - 0.5	0 - 0.3	0 - 0.3	0 - 0.3	
Parameter					
Laboratory pH (s.u.)	8.32	8.66	8.44	8.86	<6.25,>9.0
VOCs (ug/kg)	None Detected	None Detected	None Detected	None Detected	
SVOCs (ug/kg)					
Benzo(a)anthracene	110 J	260 J	190 J	160	900 / 1100 / 1800
Benzo(a)pyrene	130 J	290 J	200 J	210	90 / 1300 / 2100
Benzo(b)fluoranthene	150 J	400	290 J	280	900 / 1500 / 2100
Benzo(g,h,i)perylene	160	370	ND	310	2300000
Benzo(k)fluoranthene	53 J	150 J	120 J	120 J	9000
Chrysene	190	440	330	280	88000
Dibenzo(a,h)anthracene	56 J	100 J	ND	170	90 / 200 / 420
Fluoranthene	94 J	350	410	220	3100000
Indeno(1,2,3-cd)pyrene	67 J	210 J	ND	210	900 / 900 / 1600
Phenanthrene	87 J	180 J	210 J	120 J	210000
Pyrene	180	400	260 J	230	2300000
Total Metals (mg/kg)					
Aluminum, Total	4000 J	1400 B	1400 B	7100 B	9200 / 9500
Arsenic, Total	2.4 J	2.4 J	2.6	5.9	11.3 / 13
Barium, Total	83 J	45	32	61	1500
Beryllium, Total	0.6 J	0.25 J	0.22 J	0.73	22
Cadmium, Total	0.43 J	0.42 J	0.34 J	0.8	5.2
Calcium, Total	170000 B	190000 B	190000 B	100000 B	—
Chromium, Total	280 J	15	12	14	21
Cobalt, Total	1.6 J	1.6	1.9	4.4 B	20
Copper, Total	26 J	46	11	32	2900
Iron, Total	17000 J	9000	6800	13000 B	15000 / 15900
Lead, Total	20	22	21	150 B	107
Magnesium, Total	69000 B	110000 B	110000 B	46000 B	325000
Manganese, Total	4500 J	370 B	320 B	340 B	630 / 636
Mercury, Total	9.80E-03 J	0.011 J	0.013 J	ND	0.89
Nickel, Total	7.5 B	5.3 B	5.5 B	14	100
Potassium, Total	520 J	530	640	1700	—
Sodium, Total	850 J+	980	820	460	—
Strontium, Total	82 J	67 J	58 J	43 B^	84
Vanadium, Total	130 J	12	15	16	550
Zinc, Total	86 J	68 B	87 B	110 B	5100
TCLP Metals (mg/l)					
Barium, TCLP	ND	ND	ND	0.59	2
Cadmium, TCLP	0.0024 J	0.0026 J	0.0024 J	0.0074	0.005
Cobalt, TCLP	0.0067 J	0.008 J	0.0081 J	ND	1
Copper, TCLP	ND	0.012 J	ND	ND	0.65
Lead, TCLP	ND	ND	ND	0.029	0.0075
Manganese, TCLP	1.7	1.5	1.4	0.47	0.15
Nickel, TCLP	0.014 J	0.016 J	0.015 J	0.01 J	0.1
Zinc, TCLP	0.34 B	0.24 B	0.22 B	0.12	5
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	0.015 J	0.05
Barium, SPLP	0.021 J	0.032 J	0.044 J	0.22 J	2
Chromium, SPLP	ND	ND	ND	0.032	0.1
Cobalt, SPLP	ND	ND	ND	0.0091 J	1
Copper, SPLP	ND	ND	0.011 J	0.053	0.65
Iron, SPLP	ND	ND	6.4	32	5
Lead, SPLP	ND	ND	0.013	0.22	0.0075
Manganese, SPLP	ND	ND	0.054	0.21	0.15
Mercury, SPLP	ND	ND	ND	0.000084 J	0.002
Nickel, SPLP	ND	ND	ND	0.032	0.1
Zinc, SPLP	0.02 J	0.026 J	0.084 J	0.27	5

Summary Table of ISGS Site No. 2518-39
Comparison of Detected Constituents to Applicable Reference Concentrations
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Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Notes:
--- - not applicable or value not available.
[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.
ND - Constituent not detected above the reporting limit.
B - Constituent detected in the blank and investigative sample.
J - Estimated concentration.
J+ - Estimated concentration biased high.
^ - Instrument related Quality Control (QC) exceeded the control limits.
Shaded values indicate concentration **exceeds** Reference Concentration

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-64983-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2013 3:13:07 PM

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-7(0-0.5)-101513
Date Collected: 10/15/13 11:55
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-17
Matrix: Solid
Percent Solids: 98.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.1		5.1	2.2	ug/Kg			10/22/13 16:36	1
Benzene	<5.1		5.1	0.69	ug/Kg			10/22/13 16:36	1
Bromodichloromethane	<5.1		5.1	0.87	ug/Kg			10/22/13 16:36	1
Bromoform	<5.1		5.1	1.2	ug/Kg			10/22/13 16:36	1
Bromomethane	<5.1		5.1	1.5	ug/Kg			10/22/13 16:36	1
Carbon disulfide	<5.1		5.1	0.76	ug/Kg			10/22/13 16:36	1
Carbon tetrachloride	<5.1		5.1	0.92	ug/Kg			10/22/13 16:36	1
Chlorobenzene	<5.1		5.1	0.51	ug/Kg			10/22/13 16:36	1
Chloroethane	<5.1		5.1	1.4	ug/Kg			10/22/13 16:36	1
Chloroform	<5.1		5.1	0.58	ug/Kg			10/22/13 16:36	1
Chloromethane	<5.1		5.1	1.1	ug/Kg			10/22/13 16:36	1
cis-1,2-Dichloroethene	<5.1		5.1	0.71	ug/Kg			10/22/13 16:36	1
cis-1,3-Dichloropropene	<5.1		5.1	0.66	ug/Kg			10/22/13 16:36	1
Dibromochloromethane	<5.1		5.1	0.88	ug/Kg			10/22/13 16:36	1
1,1-Dichloroethane	<5.1		5.1	0.80	ug/Kg			10/22/13 16:36	1
1,2-Dichloroethane	<5.1		5.1	0.75	ug/Kg			10/22/13 16:36	1
1,1-Dichloroethene	<5.1		5.1	0.82	ug/Kg			10/22/13 16:36	1
1,2-Dichloropropane	<5.1		5.1	0.77	ug/Kg			10/22/13 16:36	1
1,3-Dichloropropene, Total	<5.1		5.1	0.66	ug/Kg			10/22/13 16:36	1
Ethylbenzene	<5.1		5.1	1.0	ug/Kg			10/22/13 16:36	1
2-Hexanone	<5.1		5.1	1.5	ug/Kg			10/22/13 16:36	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg			10/22/13 16:36	1
Methyl Ethyl Ketone	<5.1		5.1	1.8	ug/Kg			10/22/13 16:36	1
methyl isobutyl ketone	<5.1		5.1	1.3	ug/Kg			10/22/13 16:36	1
Methyl tert-butyl ether	<5.1		5.1	0.84	ug/Kg			10/22/13 16:36	1
Styrene	<5.1		5.1	0.66	ug/Kg			10/22/13 16:36	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	1.0	ug/Kg			10/22/13 16:36	1
Tetrachloroethene	<5.1		5.1	0.77	ug/Kg			10/22/13 16:36	1
Toluene	<5.1		5.1	0.71	ug/Kg			10/22/13 16:36	1
trans-1,2-Dichloroethene	<5.1		5.1	0.70	ug/Kg			10/22/13 16:36	1
trans-1,3-Dichloropropene	<5.1		5.1	0.91	ug/Kg			10/22/13 16:36	1
1,1,1-Trichloroethane	<5.1		5.1	0.76	ug/Kg			10/22/13 16:36	1
1,1,2-Trichloroethane	<5.1		5.1	0.69	ug/Kg			10/22/13 16:36	1
Trichloroethene	<5.1		5.1	0.83	ug/Kg			10/22/13 16:36	1
Vinyl chloride	<5.1		5.1	1.1	ug/Kg			10/22/13 16:36	1
Xylenes, Total	<10		10	0.46	ug/Kg			10/22/13 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 122*		*10/22/13 16:36*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/22/13 16:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 134*		*10/22/13 16:36*	*1*
Toluene-d8 (Surr)	*106*		*75 - 122*		*10/22/13 16:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<830		830	190	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
1,2-Dichlorobenzene	<830		830	180	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
1,3-Dichlorobenzene	<830		830	170	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
1,4-Dichlorobenzene	<830		830	170	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2,2'-oxybis[1-chloropropane]	<830		830	180	ug/Kg		10/21/13 07:32	10/29/13 11:37	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-7(0-0.5)-101513
Date Collected: 10/15/13 11:55
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-17
Matrix: Solid
Percent Solids: 98.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1600		1600	470	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2,4,6-Trichlorophenol	<1600		1600	210	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2,4-Dichlorophenol	<1600		1600	500	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2,4-Dimethylphenol	<1600		1600	520	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2,4-Dinitrophenol	<3300		3300	840	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2,4-Dinitrotoluene	<830		830	250	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2,6-Dinitrotoluene	<830		830	200	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2-Chloronaphthalene	<830		830	190	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2-Chlorophenol	<830		830	240	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2-Methylnaphthalene	<830		830	210	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2-Methylphenol	<830		830	220	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2-Nitroaniline	<830		830	300	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
2-Nitrophenol	<1600		1600	260	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
3 & 4 Methylphenol	<830		830	310	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
3,3'-Dichlorobenzidine	<830		830	140	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
3-Nitroaniline	<1600		1600	320	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
4,6-Dinitro-2-methylphenol	<1600		1600	400	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
4-Bromophenyl phenyl ether	<830		830	180	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
4-Chloro-3-methylphenol	<1600		1600	790	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
4-Chloroaniline	<3300		3300	500	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
4-Chlorophenyl phenyl ether	<830		830	260	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
4-Nitroaniline	<1600		1600	340	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
4-Nitrophenol	<3300		3300	890	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Acenaphthene	<160		160	49	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Acenaphthylene	<160		160	38	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Anthracene	<160		160	39	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Benzo[a]anthracene	110	J	160	34	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Benzo[a]pyrene	130	J	160	30	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Benzo[b]fluoranthene	150	J	160	32	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Benzo[g,h,i]perylene	160		160	55	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Benzo[k]fluoranthene	53	J	160	39	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Bis(2-chloroethoxy)methane	<830		830	180	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Bis(2-chloroethyl)ether	<830		830	240	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Bis(2-ethylhexyl) phthalate	<830		830	220	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Butyl benzyl phthalate	<830		830	210	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Carbazole	<830		830	230	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Chrysene	190		160	37	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Dibenz(a,h)anthracene	56	J	160	46	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Dibenzofuran	<830		830	200	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Diethyl phthalate	<830		830	270	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Dimethyl phthalate	<830		830	210	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Di-n-butyl phthalate	<830		830	210	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Di-n-octyl phthalate	<830		830	330	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Fluoranthene	94	J	160	67	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Fluorene	<160		160	37	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Hexachlorobenzene	<330		330	32	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Hexachlorobutadiene	<830		830	220	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Hexachlorocyclopentadiene	<3300		3300	760	ug/Kg		10/21/13 07:32	10/29/13 11:37	5
Hexachloroethane	<830		830	180	ug/Kg		10/21/13 07:32	10/29/13 11:37	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-7(0-0.5)-101513
Date Collected: 10/15/13 11:55
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-17
Matrix: Solid
Percent Solids: 98.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	67	J	160	55	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
Isophorone	<830		830	180	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
Naphthalene	<160		160	32	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
Nitrobenzene	<160		160	51	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
N-Nitrosodi-n-propylamine	<830		830	210	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
N-Nitrosodiphenylamine	<830		830	220	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
Pentachlorophenol	<3300		3300	840	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
Phenanthrene	87	J	160	69	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
Phenol	<830		830	260	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5
Pyrene	180		160	59	ug/Kg	☼	10/21/13 07:32	10/29/13 11:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*35 - 137*	*10/21/13 07:32*	*10/29/13 11:37*	*5*
2-Fluorobiphenyl	*79*		*25 - 119*	*10/21/13 07:32*	*10/29/13 11:37*	*5*
2-Fluorophenol	*64*		*25 - 110*	*10/21/13 07:32*	*10/29/13 11:37*	*5*
Nitrobenzene-d5	*62*		*25 - 115*	*10/21/13 07:32*	*10/29/13 11:37*	*5*
Phenol-d5	*76*		*31 - 110*	*10/21/13 07:32*	*10/29/13 11:37*	*5*
Terphenyl-d14	*125*		*36 - 134*	*10/21/13 07:32*	*10/29/13 11:37*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/28/13 21:59	1
Barium	0.41	J	0.50	0.010	mg/L		10/28/13 08:30	10/28/13 21:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/28/13 21:59	1
Cadmium	0.0050		0.0050	0.0020	mg/L		10/28/13 08:30	10/28/13 21:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 21:59	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/28/13 21:59	1
Copper	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 21:59	1
Iron	<0.20		0.20	0.20	mg/L		10/28/13 08:30	10/28/13 21:59	1
Lead	0.0063	J	0.0075	0.0050	mg/L		10/28/13 08:30	10/28/13 21:59	1
Manganese	1.0		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 21:59	1
Nickel	0.013	J	0.025	0.010	mg/L		10/28/13 08:30	10/28/13 21:59	1
Selenium	0.012	J B	0.050	0.010	mg/L		10/28/13 08:30	10/28/13 21:59	1
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/28/13 21:59	1
Zinc	0.20		0.10	0.020	mg/L		10/28/13 08:30	10/28/13 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/28/13 19:33	1
Barium	0.10	J	0.50	0.010	mg/L		10/27/13 14:30	10/28/13 19:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/28/13 19:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/13 14:30	10/28/13 19:33	1
Chromium	0.022	J	0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:33	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/28/13 19:33	1
Copper	0.026		0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:33	1
Iron	14		0.20	0.20	mg/L		10/27/13 14:30	10/28/13 19:33	1
Lead	0.095		0.0075	0.0050	mg/L		10/27/13 14:30	10/28/13 19:33	1
Manganese	0.15		0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:33	1
Nickel	0.013	J	0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:33	1
Selenium	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/28/13 19:33	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-7(0-0.5)-101513
Date Collected: 10/15/13 11:55
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/28/13 19:33	1
Zinc	0.21		0.10	0.020	mg/L		10/27/13 14:30	10/28/13 19:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2500	B	9.2	0.85	mg/Kg	☼	10/17/13 16:00	10/23/13 03:49	1
Antimony	<4.6		4.6	1.9	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Arsenic	7.0		2.3	0.46	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Barium	25		2.3	0.25	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Beryllium	0.31	J	0.92	0.081	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Cadmium	0.79		0.46	0.059	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Calcium	130000	B	46	12	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Chromium	8.9		0.46	0.053	mg/Kg	☼	10/17/13 16:00	10/23/13 03:49	1
Cobalt	4.1		1.2	0.082	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Copper	19	B	2.3	0.20	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Iron	12000	B	46	19	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Lead	57		1.2	0.34	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Magnesium	78000	B	23	4.8	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Manganese	470	B	2.3	0.13	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Nickel	11		2.3	0.23	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Potassium	920		23	1.4	mg/Kg	☼	10/17/13 16:00	10/23/13 03:49	1
Selenium	<2.3		2.3	0.82	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Silver	<1.2		1.2	0.083	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Sodium	300		46	6.2	mg/Kg	☼	10/17/13 16:00	10/23/13 03:49	1
Strontium	34	B ^	0.23	0.0093	mg/Kg	☼	10/17/13 16:00	10/23/13 03:49	1
Thallium	<2.3		2.3	0.97	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Vanadium	15		1.2	0.17	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5
Zinc	97	B	4.6	0.93	mg/Kg	☼	10/17/13 16:00	10/24/13 03:15	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051	J B	0.20	0.020	ug/L		10/29/13 12:00	10/30/13 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	J	0.20	0.020	ug/L		10/29/13 12:00	10/29/13 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		15	7.0	ug/Kg	☼	10/18/13 15:00	10/21/13 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.32		0.200	0.200	SU			10/22/13 08:40	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-8(0-0.3)-101513
Date Collected: 10/15/13 12:05
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-18
Matrix: Solid
Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg			10/22/13 17:00	1
Benzene	<5.5		5.5	0.75	ug/Kg			10/22/13 17:00	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg			10/22/13 17:00	1
Bromoform	<5.5		5.5	1.3	ug/Kg			10/22/13 17:00	1
Bromomethane	<5.5		5.5	1.7	ug/Kg			10/22/13 17:00	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg			10/22/13 17:00	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg			10/22/13 17:00	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg			10/22/13 17:00	1
Chloroethane	<5.5		5.5	1.5	ug/Kg			10/22/13 17:00	1
Chloroform	<5.5		5.5	0.63	ug/Kg			10/22/13 17:00	1
Chloromethane	<5.5		5.5	1.2	ug/Kg			10/22/13 17:00	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg			10/22/13 17:00	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg			10/22/13 17:00	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg			10/22/13 17:00	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg			10/22/13 17:00	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg			10/22/13 17:00	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg			10/22/13 17:00	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg			10/22/13 17:00	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg			10/22/13 17:00	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg			10/22/13 17:00	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg			10/22/13 17:00	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg			10/22/13 17:00	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg			10/22/13 17:00	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg			10/22/13 17:00	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg			10/22/13 17:00	1
Styrene	<5.5		5.5	0.72	ug/Kg			10/22/13 17:00	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg			10/22/13 17:00	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg			10/22/13 17:00	1
Toluene	<5.5		5.5	0.77	ug/Kg			10/22/13 17:00	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg			10/22/13 17:00	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg			10/22/13 17:00	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg			10/22/13 17:00	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg			10/22/13 17:00	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg			10/22/13 17:00	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg			10/22/13 17:00	1
Xylenes, Total	<11		11	0.50	ug/Kg			10/22/13 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*		*10/22/13 17:00*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*10/22/13 17:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*		*10/22/13 17:00*	*1*
Toluene-d8 (Surr)	*104*		*75 - 122*		*10/22/13 17:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1800		1800	400	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
1,2-Dichlorobenzene	<1800		1800	390	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
1,3-Dichlorobenzene	<1800		1800	370	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
1,4-Dichlorobenzene	<1800		1800	370	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2,2'-oxybis[1-chloropropane]	<1800		1800	390	ug/Kg		10/21/13 07:32	10/26/13 01:27	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-8(0-0.3)-101513
Date Collected: 10/15/13 12:05
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-18
Matrix: Solid
Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<3500		3500	1000	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2,4,6-Trichlorophenol	<3500		3500	450	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2,4-Dichlorophenol	<3500		3500	1100	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2,4-Dimethylphenol	<3500		3500	1100	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2,4-Dinitrophenol	<7200		7200	1800	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2,4-Dinitrotoluene	<1800		1800	550	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2,6-Dinitrotoluene	<1800		1800	420	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2-Chloronaphthalene	<1800		1800	400	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2-Chlorophenol	<1800		1800	510	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2-Methylnaphthalene	<1800		1800	460	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2-Methylphenol	<1800		1800	470	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2-Nitroaniline	<1800		1800	640	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
2-Nitrophenol	<3500		3500	560	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
3 & 4 Methylphenol	<1800		1800	670	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
3,3'-Dichlorobenzidine	<1800		1800	300	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
3-Nitroaniline	<3500		3500	690	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
4,6-Dinitro-2-methylphenol	<3500		3500	860	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
4-Bromophenyl phenyl ether	<1800		1800	400	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
4-Chloro-3-methylphenol	<3500		3500	1700	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
4-Chloroaniline	<7200		7200	1100	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
4-Chlorophenyl phenyl ether	<1800		1800	560	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
4-Nitroaniline	<3500		3500	730	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
4-Nitrophenol	<7200		7200	1900	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Acenaphthene	<350		350	110	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Acenaphthylene	<350		350	82	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Anthracene	<350		350	84	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Benzo[a]anthracene	260	J	350	75	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Benzo[a]pyrene	290	J	350	65	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Benzo[b]fluoranthene	400		350	69	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Benzo[g,h,i]perylene	370		350	120	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Benzo[k]fluoranthene	150	J	350	85	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Bis(2-chloroethoxy)methane	<1800		1800	390	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Bis(2-chloroethyl)ether	<1800		1800	530	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Bis(2-ethylhexyl) phthalate	<1800		1800	470	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Butyl benzyl phthalate	<1800		1800	450	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Carbazole	<1800		1800	500	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Chrysene	440		350	80	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Dibenz(a,h)anthracene	100	J	350	100	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Dibenzofuran	<1800		1800	430	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Diethyl phthalate	<1800		1800	590	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Dimethyl phthalate	<1800		1800	450	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Di-n-butyl phthalate	<1800		1800	450	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Di-n-octyl phthalate	<1800		1800	720	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Fluoranthene	350		350	150	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Fluorene	<350		350	81	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Hexachlorobenzene	<720		720	70	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Hexachlorobutadiene	<1800		1800	470	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Hexachlorocyclopentadiene	<7200		7200	1700	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Hexachloroethane	<1800		1800	380	ug/Kg		10/21/13 07:32	10/26/13 01:27	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-8(0-0.3)-101513
Date Collected: 10/15/13 12:05
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-18
Matrix: Solid
Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	210	J	350	120	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
Isophorone	<1800		1800	400	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
Naphthalene	<350		350	69	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
Nitrobenzene	<350		350	110	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
N-Nitrosodi-n-propylamine	<1800		1800	450	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
N-Nitrosodiphenylamine	<1800		1800	480	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
Pentachlorophenol	<7200		7200	1800	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
Phenanthrene	180	J	350	150	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
Phenol	<1800		1800	560	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10
Pyrene	400		350	130	ug/Kg	☼	10/21/13 07:32	10/26/13 01:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*35 - 137*	*10/21/13 07:32*	*10/26/13 01:27*	*10*
2-Fluorobiphenyl	*89*		*25 - 119*	*10/21/13 07:32*	*10/26/13 01:27*	*10*
2-Fluorophenol	*88*		*25 - 110*	*10/21/13 07:32*	*10/26/13 01:27*	*10*
Nitrobenzene-d5	*102*		*25 - 115*	*10/21/13 07:32*	*10/26/13 01:27*	*10*
Phenol-d5	*100*		*31 - 110*	*10/21/13 07:32*	*10/26/13 01:27*	*10*
Terphenyl-d14	*102*		*36 - 134*	*10/21/13 07:32*	*10/26/13 01:27*	*10*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/28/13 22:04	1
Barium	0.30	J	0.50	0.010	mg/L		10/28/13 08:30	10/28/13 22:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/28/13 22:04	1
Cadmium	0.0047	J	0.0050	0.0020	mg/L		10/28/13 08:30	10/28/13 22:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 22:04	1
Cobalt	0.016	J	0.025	0.0050	mg/L		10/28/13 08:30	10/28/13 22:04	1
Copper	0.029		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 22:04	1
Iron	0.35		0.20	0.20	mg/L		10/28/13 08:30	10/28/13 22:04	1
Lead	0.034		0.0075	0.0050	mg/L		10/28/13 08:30	10/28/13 22:04	1
Manganese	1.8		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 22:04	1
Nickel	0.027		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 22:04	1
Selenium	0.011	J B	0.050	0.010	mg/L		10/28/13 08:30	10/28/13 22:04	1
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/28/13 22:04	1
Zinc	2.6		0.10	0.020	mg/L		10/28/13 08:30	10/28/13 22:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/28/13 19:39	1
Barium	0.096	J	0.50	0.010	mg/L		10/27/13 14:30	10/28/13 19:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/28/13 19:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/13 14:30	10/28/13 19:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:39	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/28/13 19:39	1
Copper	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:39	1
Iron	0.86		0.20	0.20	mg/L		10/27/13 14:30	10/28/13 19:39	1
Lead	0.0071	J	0.0075	0.0050	mg/L		10/27/13 14:30	10/28/13 19:39	1
Manganese	0.011	J	0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:39	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:39	1
Selenium	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/28/13 19:39	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-8(0-0.3)-101513
Date Collected: 10/15/13 12:05
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/28/13 19:39	1
Zinc	0.073	J	0.10	0.020	mg/L		10/27/13 14:30	10/28/13 19:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2300	B	10	0.93	mg/Kg	☼	10/17/13 16:00	10/23/13 03:56	1
Antimony	<5.1		5.1	2.0	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Arsenic	5.4		2.5	0.50	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Barium	59		2.5	0.27	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Beryllium	0.36	J	1.0	0.089	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Cadmium	1.2		0.51	0.064	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Calcium	180000	B	51	14	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Chromium	26		0.51	0.059	mg/Kg	☼	10/17/13 16:00	10/23/13 03:56	1
Cobalt	3.4		1.3	0.090	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Copper	28	B	2.5	0.22	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Iron	15000	B	51	21	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Lead	78		1.3	0.38	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Magnesium	110000	B	25	5.2	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Manganese	600	B	2.5	0.14	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Nickel	12		0.51	0.050	mg/Kg	☼	10/17/13 16:00	10/23/13 03:56	1
Potassium	960		25	1.5	mg/Kg	☼	10/17/13 16:00	10/23/13 03:56	1
Selenium	<2.5		2.5	0.90	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Silver	<1.3		1.3	0.092	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Sodium	1100		51	6.8	mg/Kg	☼	10/17/13 16:00	10/23/13 03:56	1
Strontium	63	B ^	0.25	0.010	mg/Kg	☼	10/17/13 16:00	10/23/13 03:56	1
Thallium	<2.5		2.5	1.1	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Vanadium	22		1.3	0.19	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5
Zinc	320	B	5.1	1.0	mg/Kg	☼	10/17/13 16:00	10/24/13 03:21	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	J B	0.20	0.020	ug/L		10/29/13 12:00	10/30/13 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/29/13 12:00	10/29/13 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18		18	8.4	ug/Kg	☼	10/18/13 15:00	10/21/13 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.66		0.200	0.200	SU			10/22/13 08:40	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-9(0-0.3)-101513
Date Collected: 10/15/13 12:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-19
Matrix: Solid
Percent Solids: 95.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.2		5.2	2.3	ug/Kg			10/22/13 17:23	1
Benzene	<5.2		5.2	0.72	ug/Kg			10/22/13 17:23	1
Bromodichloromethane	<5.2		5.2	0.90	ug/Kg			10/22/13 17:23	1
Bromoform	<5.2		5.2	1.2	ug/Kg			10/22/13 17:23	1
Bromomethane	<5.2		5.2	1.6	ug/Kg			10/22/13 17:23	1
Carbon disulfide	<5.2		5.2	0.78	ug/Kg			10/22/13 17:23	1
Carbon tetrachloride	<5.2		5.2	0.95	ug/Kg			10/22/13 17:23	1
Chlorobenzene	<5.2		5.2	0.53	ug/Kg			10/22/13 17:23	1
Chloroethane	<5.2		5.2	1.4	ug/Kg			10/22/13 17:23	1
Chloroform	<5.2		5.2	0.60	ug/Kg			10/22/13 17:23	1
Chloromethane	<5.2		5.2	1.1	ug/Kg			10/22/13 17:23	1
cis-1,2-Dichloroethene	<5.2		5.2	0.74	ug/Kg			10/22/13 17:23	1
cis-1,3-Dichloropropene	<5.2		5.2	0.69	ug/Kg			10/22/13 17:23	1
Dibromochloromethane	<5.2		5.2	0.91	ug/Kg			10/22/13 17:23	1
1,1-Dichloroethane	<5.2		5.2	0.83	ug/Kg			10/22/13 17:23	1
1,2-Dichloroethane	<5.2		5.2	0.78	ug/Kg			10/22/13 17:23	1
1,1-Dichloroethene	<5.2		5.2	0.85	ug/Kg			10/22/13 17:23	1
1,2-Dichloropropane	<5.2		5.2	0.79	ug/Kg			10/22/13 17:23	1
1,3-Dichloropropene, Total	<5.2		5.2	0.69	ug/Kg			10/22/13 17:23	1
Ethylbenzene	<5.2		5.2	1.1	ug/Kg			10/22/13 17:23	1
2-Hexanone	<5.2		5.2	1.5	ug/Kg			10/22/13 17:23	1
Methylene Chloride	<5.2		5.2	1.4	ug/Kg			10/22/13 17:23	1
Methyl Ethyl Ketone	<5.2		5.2	1.9	ug/Kg			10/22/13 17:23	1
methyl isobutyl ketone	<5.2		5.2	1.4	ug/Kg			10/22/13 17:23	1
Methyl tert-butyl ether	<5.2		5.2	0.86	ug/Kg			10/22/13 17:23	1
Styrene	<5.2		5.2	0.69	ug/Kg			10/22/13 17:23	1
1,1,2,2-Tetrachloroethane	<5.2		5.2	1.1	ug/Kg			10/22/13 17:23	1
Tetrachloroethene	<5.2		5.2	0.80	ug/Kg			10/22/13 17:23	1
Toluene	<5.2		5.2	0.73	ug/Kg			10/22/13 17:23	1
trans-1,2-Dichloroethene	<5.2		5.2	0.72	ug/Kg			10/22/13 17:23	1
trans-1,3-Dichloropropene	<5.2		5.2	0.94	ug/Kg			10/22/13 17:23	1
1,1,1-Trichloroethane	<5.2		5.2	0.78	ug/Kg			10/22/13 17:23	1
1,1,2-Trichloroethane	<5.2		5.2	0.71	ug/Kg			10/22/13 17:23	1
Trichloroethene	<5.2		5.2	0.86	ug/Kg			10/22/13 17:23	1
Vinyl chloride	<5.2		5.2	1.1	ug/Kg			10/22/13 17:23	1
Xylenes, Total	<10		10	0.47	ug/Kg			10/22/13 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 122*		*10/22/13 17:23*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*10/22/13 17:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 134*		*10/22/13 17:23*	*1*
Toluene-d8 (Surr)	*107*		*75 - 122*		*10/22/13 17:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1700		1700	380	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
1,2-Dichlorobenzene	<1700		1700	370	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
1,3-Dichlorobenzene	<1700		1700	350	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
1,4-Dichlorobenzene	<1700		1700	350	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2,2'-oxybis[1-chloropropane]	<1700		1700	370	ug/Kg		10/21/13 07:32	10/28/13 22:25	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-9(0-0.3)-101513
Date Collected: 10/15/13 12:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-19
Matrix: Solid
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<3300		3300	960	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2,4,6-Trichlorophenol	<3300		3300	420	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2,4-Dichlorophenol	<3300		3300	1000	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2,4-Dimethylphenol	<3300		3300	1000	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2,4-Dinitrophenol	<6800		6800	1700	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2,4-Dinitrotoluene	<1700		1700	510	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2,6-Dinitrotoluene	<1700		1700	400	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2-Chloronaphthalene	<1700		1700	380	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2-Chlorophenol	<1700		1700	480	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2-Methylnaphthalene	<1700		1700	430	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2-Methylphenol	<1700		1700	440	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2-Nitroaniline	<1700		1700	600	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
2-Nitrophenol	<3300		3300	530	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
3 & 4 Methylphenol	<1700		1700	630	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
3,3'-Dichlorobenzidine	<1700		1700	280	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
3-Nitroaniline	<3300		3300	650	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
4,6-Dinitro-2-methylphenol	<3300		3300	810	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
4-Bromophenyl phenyl ether	<1700		1700	370	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
4-Chloro-3-methylphenol	<3300		3300	1600	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
4-Chloroaniline	<6800		6800	1000	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
4-Chlorophenyl phenyl ether	<1700		1700	530	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
4-Nitroaniline	<3300		3300	690	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
4-Nitrophenol	<6800		6800	1800	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Acenaphthene	<330		330	100	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Acenaphthylene	<330		330	77	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Anthracene	<330		330	79	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Benzo[a]anthracene	190	J	330	70	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Benzo[a]pyrene	200	J	330	61	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Benzo[b]fluoranthene	290	J	330	65	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Benzo[g,h,i]perylene	<330		330	110	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Benzo[k]fluoranthene	120	J	330	80	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Bis(2-chloroethoxy)methane	<1700		1700	370	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Bis(2-chloroethyl)ether	<1700		1700	500	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Bis(2-ethylhexyl) phthalate	<1700		1700	440	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Butyl benzyl phthalate	<1700		1700	420	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Carbazole	<1700		1700	470	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Chrysene	330		330	76	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Dibenz(a,h)anthracene	<330		330	94	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Dibenzofuran	<1700		1700	400	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Diethyl phthalate	<1700		1700	560	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Dimethyl phthalate	<1700		1700	420	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Di-n-butyl phthalate	<1700		1700	420	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Di-n-octyl phthalate	<1700		1700	680	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Fluoranthene	410		330	140	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Fluorene	<330		330	76	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Hexachlorobenzene	<680		680	66	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Hexachlorobutadiene	<1700		1700	440	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Hexachlorocyclopentadiene	<6800		6800	1600	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
Hexachloroethane	<1700		1700	360	ug/Kg		10/21/13 07:32	10/28/13 22:25	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-9(0-0.3)-101513
Date Collected: 10/15/13 12:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-19
Matrix: Solid
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<330		330	110	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
Isophorone	<1700		1700	370	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
Naphthalene	<330		330	65	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
Nitrobenzene	<330		330	100	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
N-Nitrosodi-n-propylamine	<1700		1700	430	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
N-Nitrosodiphenylamine	<1700		1700	450	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
Pentachlorophenol	<6800		6800	1700	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
Phenanthrene	210	J	330	140	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
Phenol	<1700		1700	530	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5
Pyrene	260	J	330	120	ug/Kg	☼	10/21/13 07:32	10/28/13 22:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 137*	*10/21/13 07:32*	*10/28/13 22:25*	*5*
2-Fluorobiphenyl	*69*		*25 - 119*	*10/21/13 07:32*	*10/28/13 22:25*	*5*
2-Fluorophenol	*59*		*25 - 110*	*10/21/13 07:32*	*10/28/13 22:25*	*5*
Nitrobenzene-d5	*64*		*25 - 115*	*10/21/13 07:32*	*10/28/13 22:25*	*5*
Phenol-d5	*63*		*31 - 110*	*10/21/13 07:32*	*10/28/13 22:25*	*5*
Terphenyl-d14	*92*		*36 - 134*	*10/21/13 07:32*	*10/28/13 22:25*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/28/13 22:09	1
Barium	0.29	J	0.50	0.010	mg/L		10/28/13 08:30	10/28/13 22:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/28/13 22:09	1
Cadmium	0.0036	J	0.0050	0.0020	mg/L		10/28/13 08:30	10/28/13 22:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 22:09	1
Cobalt	0.028		0.025	0.0050	mg/L		10/28/13 08:30	10/28/13 22:09	1
Copper	0.018	J	0.025	0.010	mg/L		10/28/13 08:30	10/28/13 22:09	1
Iron	0.23		0.20	0.20	mg/L		10/28/13 08:30	10/28/13 22:09	1
Lead	0.038		0.0075	0.0050	mg/L		10/28/13 08:30	10/28/13 22:09	1
Manganese	1.6		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 22:09	1
Nickel	0.032		0.025	0.010	mg/L		10/28/13 08:30	10/28/13 22:09	1
Selenium	0.011	J B	0.050	0.010	mg/L		10/28/13 08:30	10/28/13 22:09	1
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/28/13 22:09	1
Zinc	0.46		0.10	0.020	mg/L		10/28/13 08:30	10/28/13 22:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/28/13 19:46	1
Barium	0.047	J	0.50	0.010	mg/L		10/27/13 14:30	10/28/13 19:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/28/13 19:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/13 14:30	10/28/13 19:46	1
Chromium	0.013	J	0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:46	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/28/13 19:46	1
Copper	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:46	1
Iron	<0.20		0.20	0.20	mg/L		10/27/13 14:30	10/28/13 19:46	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/27/13 14:30	10/28/13 19:46	1
Manganese	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:46	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/28/13 19:46	1
Selenium	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/28/13 19:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Client Sample ID: TF-9(0-0.3)-101513
Date Collected: 10/15/13 12:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64983-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/28/13 19:46	1
Zinc	<0.10		0.10	0.020	mg/L		10/27/13 14:30	10/28/13 19:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2100	B	10	0.95	mg/Kg	☼	10/17/13 16:00	10/23/13 04:02	1
Antimony	<5.2		5.2	2.1	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Arsenic	4.3		2.6	0.52	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Barium	32		2.6	0.28	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Beryllium	0.29	J	1.0	0.091	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Cadmium	1.3		0.52	0.066	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Calcium	190000	B	52	14	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Chromium	36		0.52	0.060	mg/Kg	☼	10/17/13 16:00	10/23/13 04:02	1
Cobalt	2.9		1.3	0.092	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Copper	16	B	2.6	0.23	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Iron	9000	B	52	21	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Lead	180		1.3	0.39	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Magnesium	110000	B	26	5.3	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Manganese	390	B	2.6	0.14	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Nickel	10		2.6	0.25	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Potassium	1400		26	1.6	mg/Kg	☼	10/17/13 16:00	10/23/13 04:02	1
Selenium	<2.6		2.6	0.92	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Silver	<1.3		1.3	0.094	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Sodium	5200		260	35	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Strontium	82	B ^	1.3	0.052	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Thallium	<2.6		2.6	1.1	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Vanadium	15		1.3	0.19	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5
Zinc	190	B	5.2	1.0	mg/Kg	☼	10/17/13 16:00	10/24/13 03:27	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052	J B	0.20	0.020	ug/L		10/29/13 12:00	10/30/13 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/29/13 12:00	10/29/13 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	16	7.4	ug/Kg	☼	10/18/13 15:00	10/21/13 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.44		0.200	0.200	SU			10/22/13 08:40	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS/MSD Recovery and/or RPD exceeds the control limits

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

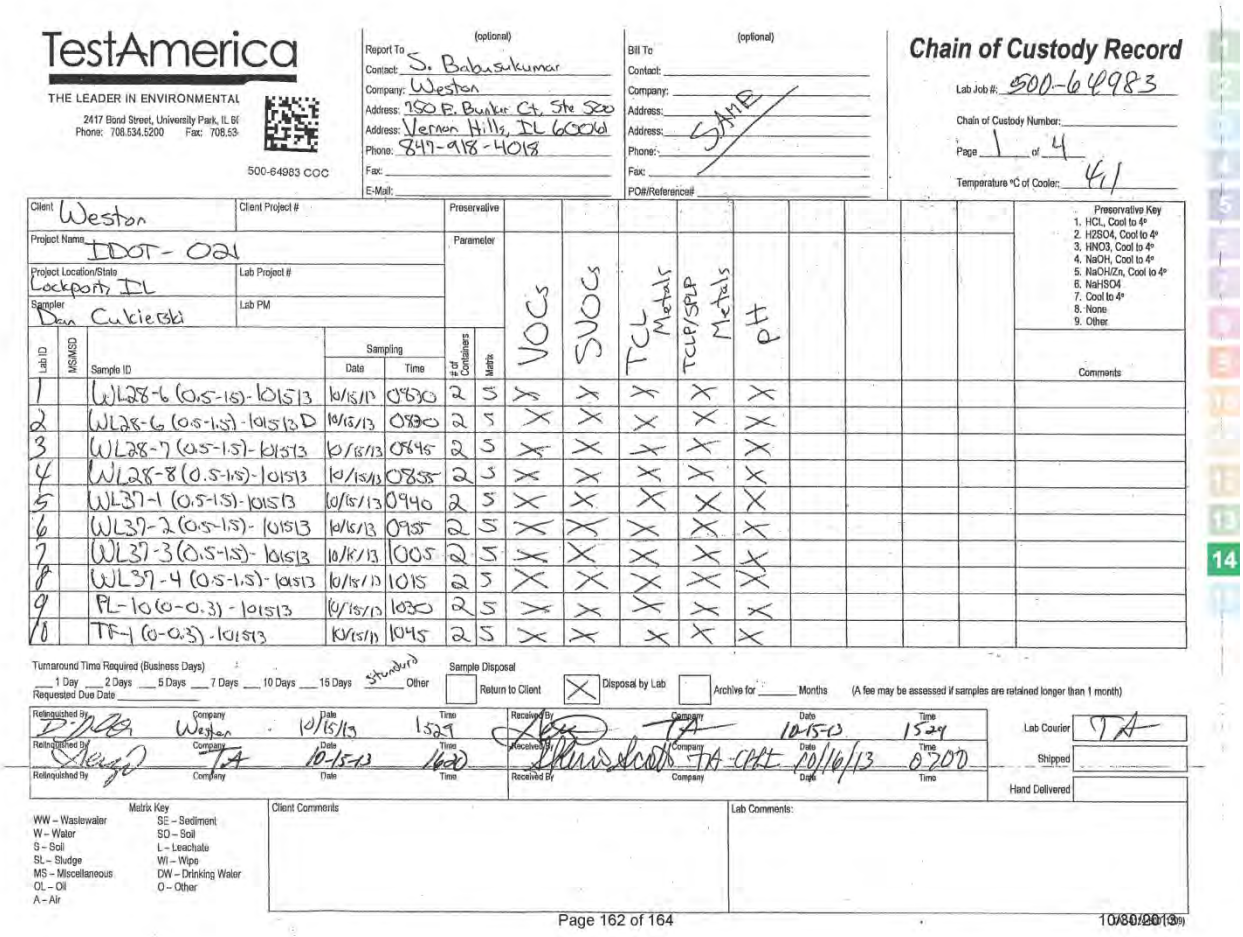
Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64983-1

Laboratory: TestAmerica Chicago

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

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



TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-64983 COC

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

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

Chain of Custody Record

Lab Job #: 500-64983
Chain of Custody Number:
Page 1 of 4
Temperature °C of Cooler: 4.1

Client: Weston | Client Project #:
Project Name: IDOT - 021
Project Location/State: Lockport, IL | Lab Project #:
Sampler: Dan Cukierski | Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH	Comments
1		WL28-6 (0.5-1.5)-101513	10/15/13	0930	2	S	X	X	X	X	X	
2		WL28-6 (0.5-1.5)-101513D	10/15/13	0830	2	S	X	X	X	X	X	
3		WL28-7 (0.5-1.5)-101513	10/15/13	0845	2	S	X	X	X	X	X	
4		WL28-8 (0.5-1.5)-101513	10/15/13	0855	2	S	X	X	X	X	X	
5		WL37-1 (0.5-1.5)-101513	10/15/13	0940	2	S	X	X	X	X	X	
6		WL37-2 (0.5-1.5)-101513	10/15/13	0955	2	S	X	X	X	X	X	
7		WL37-3 (0.5-1.5)-101513	10/15/13	1005	2	S	X	X	X	X	X	
8		WL37-4 (0.5-1.5)-101513	10/15/13	1015	2	S	X	X	X	X	X	
9		PL-10 (0-0.3)-101513	10/15/13	1030	2	S	X	X	X	X	X	
10		TP-1 (0-0.3)-101513	10/15/13	1045	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard Other
Requested Due Date

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

	Company	Date	Time
Relinquished By	Weston	10/15/13	1529
Relinquished By	TA	10-15-13	1600
Relinquished By			
Received By	TA	10-15-13	1529
Received By	TA-CHI	10/16/13	0707
Received By			

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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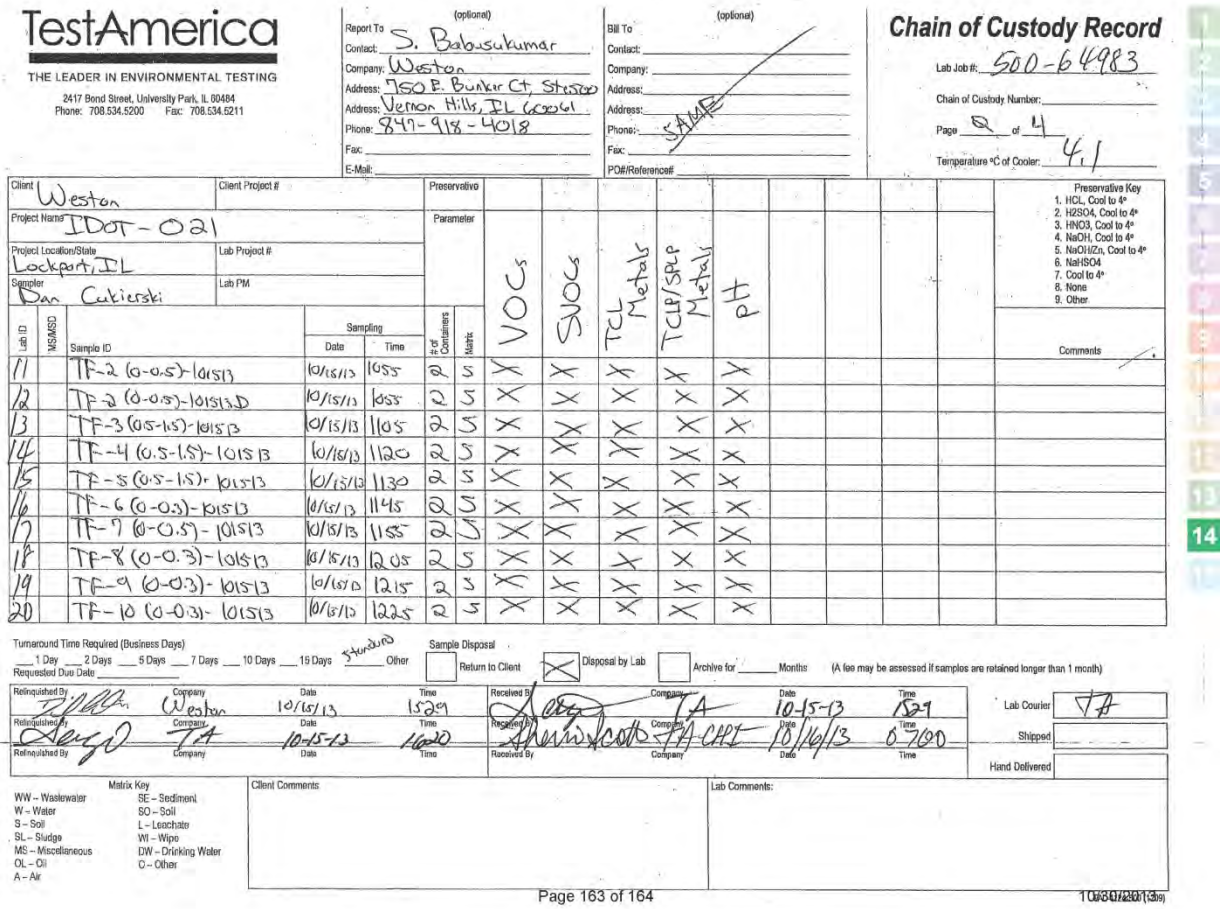
10/30/2013



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

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

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

Chain of Custody Record
Lab Job #: 500-64983
Chain of Custody Number:
Page 2 of 4
Temperature °C of Cooler: 4.1

Client: Weston | Client Project #:
Project Name: IDOT - 021 | Preservative | Parameter
Project Location/State: Lockport, IL | Lab Project #:
Sampler: Dan Cutlerski | Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH	Comments
11		TF-2 (0-0.5)-101513	10/15/13	1055	2	S	X	X	X	X	X	
12		TF-2 (0-0.5)-101513D	10/15/13	1055	2	S	X	X	X	X	X	
13		TF-3 (0.5-1.5)-101513	10/15/13	1105	2	S	X	X	X	X	X	
14		TF-4 (0.5-1.5)-101513	10/15/13	1120	2	S	X	X	X	X	X	
15		TF-5 (0.5-1.5)-101513	10/15/13	1130	2	S	X	X	X	X	X	
16		TF-6 (0-0.3)-101513	10/15/13	1145	2	S	X	X	X	X	X	
17		TF-7 (0-0.5)-101513	10/15/13	1155	2	S	X	X	X	X	X	
18		TF-8 (0-0.3)-101513	10/15/13	1205	2	S	X	X	X	X	X	
19		TF-9 (0-0.3)-101513	10/15/13	1215	2	S	X	X	X	X	X	
20		TF-10 (0-0.3)-101513	10/15/13	1225	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date:

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

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	10/15/13	1529		TA	10-15-13	1529
2		TA	10-15-13	1620		TA CHI	10/16/13	0700
3		Company	Date	Time		Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-64982-1
Client Project/Site: IDOT - New Avenue - 021
Revision: 1

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

Attn: Mr. S. Babusukumar

Cindy Pritchard

Authorized for release by:
11/7/2013 3:59:38 PM
Cindy Pritchard, Project Mgmt. Assistant
cindy.pritchard@testamericainc.com

Designee for

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

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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.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TF-12(0-0.3)-101513
Date Collected: 10/15/13 12:50
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-2
Matrix: Solid
Percent Solids: 97.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.1		5.1	2.2	ug/Kg			10/21/13 18:18	1
Benzene	<5.1		5.1	0.70	ug/Kg			10/21/13 18:18	1
Bromodichloromethane	<5.1		5.1	0.89	ug/Kg			10/21/13 18:18	1
Bromoform	<5.1		5.1	1.2	ug/Kg			10/21/13 18:18	1
Bromomethane	<5.1	*	5.1	1.6	ug/Kg			10/21/13 18:18	1
Carbon disulfide	<5.1		5.1	0.77	ug/Kg			10/21/13 18:18	1
Carbon tetrachloride	<5.1		5.1	0.94	ug/Kg			10/21/13 18:18	1
Chlorobenzene	<5.1		5.1	0.52	ug/Kg			10/21/13 18:18	1
Chloroethane	<5.1	*	5.1	1.4	ug/Kg			10/21/13 18:18	1
Chloroform	<5.1		5.1	0.59	ug/Kg			10/21/13 18:18	1
Chloromethane	<5.1		5.1	1.1	ug/Kg			10/21/13 18:18	1
cis-1,2-Dichloroethene	<5.1		5.1	0.73	ug/Kg			10/21/13 18:18	1
cis-1,3-Dichloropropene	<5.1		5.1	0.67	ug/Kg			10/21/13 18:18	1
Dibromochloromethane	<5.1		5.1	0.89	ug/Kg			10/21/13 18:18	1
1,1-Dichloroethane	<5.1		5.1	0.81	ug/Kg			10/21/13 18:18	1
1,2-Dichloroethane	<5.1		5.1	0.76	ug/Kg			10/21/13 18:18	1
1,1-Dichloroethene	<5.1		5.1	0.83	ug/Kg			10/21/13 18:18	1
1,2-Dichloropropane	<5.1		5.1	0.78	ug/Kg			10/21/13 18:18	1
1,3-Dichloropropene, Total	<5.1		5.1	0.67	ug/Kg			10/21/13 18:18	1
Ethylbenzene	<5.1		5.1	1.0	ug/Kg			10/21/13 18:18	1
2-Hexanone	<5.1		5.1	1.5	ug/Kg			10/21/13 18:18	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg			10/21/13 18:18	1
Methyl Ethyl Ketone	<5.1		5.1	1.9	ug/Kg			10/21/13 18:18	1
methyl isobutyl ketone	<5.1	*	5.1	1.3	ug/Kg			10/21/13 18:18	1
Methyl tert-butyl ether	<5.1		5.1	0.85	ug/Kg			10/21/13 18:18	1
Styrene	<5.1		5.1	0.67	ug/Kg			10/21/13 18:18	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	1.0	ug/Kg			10/21/13 18:18	1
Tetrachloroethene	<5.1		5.1	0.79	ug/Kg			10/21/13 18:18	1
Toluene	<5.1		5.1	0.72	ug/Kg			10/21/13 18:18	1
trans-1,2-Dichloroethene	<5.1		5.1	0.71	ug/Kg			10/21/13 18:18	1
trans-1,3-Dichloropropene	<5.1		5.1	0.92	ug/Kg			10/21/13 18:18	1
1,1,1-Trichloroethane	<5.1		5.1	0.77	ug/Kg			10/21/13 18:18	1
1,1,2-Trichloroethane	<5.1		5.1	0.70	ug/Kg			10/21/13 18:18	1
Trichloroethene	<5.1		5.1	0.85	ug/Kg			10/21/13 18:18	1
Vinyl chloride	<5.1		5.1	1.1	ug/Kg			10/21/13 18:18	1
Xylenes, Total	<10		10	0.47	ug/Kg			10/21/13 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/21/13 18:18*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*10/21/13 18:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*10/21/13 18:18*	*1*
Toluene-d8 (Surr)	*103*		*75 - 122*		*10/21/13 18:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<680		680	150	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
1,2-Dichlorobenzene	<680		680	150	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
1,3-Dichlorobenzene	<680	*	680	140	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
1,4-Dichlorobenzene	<680	*	680	140	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2,2'-oxybis[1-chloropropane]	<680		680	150	ug/Kg		10/22/13 07:27	10/29/13 18:18	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TF-12(0-0.3)-101513
Date Collected: 10/15/13 12:50
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-2
Matrix: Solid
Percent Solids: 97.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1300		1300	390	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2,4,6-Trichlorophenol	<1300		1300	170	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2,4-Dichlorophenol	<1300		1300	410	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2,4-Dimethylphenol	<1300		1300	420	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2,4-Dinitrophenol	<2700		2700	690	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2,4-Dinitrotoluene	<680		680	210	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2,6-Dinitrotoluene	<680		680	160	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2-Chloronaphthalene	<680		680	150	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2-Chlorophenol	<680		680	190	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2-Methylnaphthalene	<680		680	170	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2-Methylphenol	<680		680	180	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2-Nitroaniline	<680		680	240	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
2-Nitrophenol	<1300		1300	210	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
3 & 4 Methylphenol	<680		680	250	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
3,3'-Dichlorobenzidine	<680		680	110	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
3-Nitroaniline	<1300		1300	260	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
4,6-Dinitro-2-methylphenol	<1300		1300	330	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
4-Bromophenyl phenyl ether	<680		680	150	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
4-Chloro-3-methylphenol	<1300		1300	640	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
4-Chloroaniline	<2700		2700	410	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
4-Chlorophenyl phenyl ether	<680		680	210	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
4-Nitroaniline	<1300		1300	280	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
4-Nitrophenol	<2700		2700	730	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Acenaphthene	<130		130	40	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Acenaphthylene	<130		130	31	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Anthracene	<130		130	32	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Benzo[a]anthracene	160		130	28	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Benzo[a]pyrene	210		130	25	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Benzo[b]fluoranthene	280		130	26	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Benzo[g,h,i]perylene	310		130	45	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Benzo[k]fluoranthene	120	J	130	32	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Bis(2-chloroethoxy)methane	<680		680	150	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Bis(2-chloroethyl)ether	<680		680	200	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Bis(2-ethylhexyl) phthalate	<680		680	180	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Butyl benzyl phthalate	<680		680	170	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Carbazole	<680		680	190	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Chrysene	280		130	30	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Dibenz(a,h)anthracene	170		130	38	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Dibenzofuran	<680		680	160	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Diethyl phthalate	<680		680	220	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Dimethyl phthalate	<680		680	170	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Di-n-butyl phthalate	<680		680	170	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Di-n-octyl phthalate	<680		680	270	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Fluoranthene	220		130	55	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Fluorene	<130		130	31	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Hexachlorobenzene	<270		270	27	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Hexachlorobutadiene	<680		680	180	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Hexachlorocyclopentadiene	<2700		2700	620	ug/Kg		10/22/13 07:27	10/29/13 18:18	1
Hexachloroethane	<680		680	140	ug/Kg		10/22/13 07:27	10/29/13 18:18	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TF-12(0-0.3)-101513
Date Collected: 10/15/13 12:50
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-2
Matrix: Solid
Percent Solids: 97.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	210		130	45	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
Isophorone	<680		680	150	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
Naphthalene	<130		130	26	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
Nitrobenzene	<130		130	42	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
N-Nitrosodi-n-propylamine	<680		680	170	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
N-Nitrosodiphenylamine	<680		680	180	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
Pentachlorophenol	<2700		2700	680	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
Phenanthrene	120	J	130	56	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
Phenol	<680		680	210	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1
Pyrene	230		130	49	ug/Kg	☼	10/22/13 07:27	10/29/13 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*35 - 137*	*10/22/13 07:27*	*10/29/13 18:18*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*10/22/13 07:27*	*10/29/13 18:18*	*1*
2-Fluorophenol	*59*		*25 - 110*	*10/22/13 07:27*	*10/29/13 18:18*	*1*
Nitrobenzene-d5	*55*		*25 - 115*	*10/22/13 07:27*	*10/29/13 18:18*	*1*
Phenol-d5	*54*		*31 - 110*	*10/22/13 07:27*	*10/29/13 18:18*	*1*
Terphenyl-d14	*77*		*36 - 134*	*10/22/13 07:27*	*10/29/13 18:18*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 01:45	1
Barium	0.29	J B ^	0.50	0.010	mg/L		10/27/13 14:30	10/29/13 01:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/29/13 01:45	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		10/27/13 14:30	10/29/13 01:45	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 01:45	1
Cobalt	0.0080	J	0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 01:45	1
Copper	0.012	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 01:45	1
Iron	<0.20	^	0.20	0.20	mg/L		10/27/13 14:30	10/29/13 01:45	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/27/13 14:30	10/29/13 01:45	1
Manganese	1.5		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 01:45	1
Nickel	0.016	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 01:45	1
Selenium	0.019	J B	0.050	0.010	mg/L		10/27/13 14:30	10/29/13 01:45	1
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 01:45	1
Zinc	0.24	B	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 01:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/24/13 09:30	10/25/13 03:51	1
Barium	0.032	J	0.50	0.010	mg/L		10/24/13 09:30	10/25/13 03:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/24/13 09:30	10/25/13 03:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/24/13 09:30	10/25/13 03:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 03:51	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/24/13 09:30	10/25/13 03:51	1
Copper	<0.025		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 03:51	1
Iron	<0.20		0.20	0.20	mg/L		10/24/13 09:30	10/25/13 03:51	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/24/13 09:30	10/25/13 03:51	1
Manganese	<0.025		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 03:51	1
Nickel	<0.025		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 03:51	1
Selenium	<0.050		0.050	0.010	mg/L		10/24/13 09:30	10/25/13 03:51	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TF-12(0-0.3)-101513
Date Collected: 10/15/13 12:50
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/24/13 09:30	10/25/13 03:51	1
Zinc	0.026	J	0.10	0.020	mg/L		10/24/13 09:30	10/25/13 03:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1400	B	9.9	0.91	mg/Kg	☼	10/17/13 09:15	10/18/13 11:56	1
Antimony	<5.0		5.0	2.0	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Arsenic	2.4	J	2.5	0.49	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Barium	45		2.5	0.27	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Beryllium	0.25	J	0.99	0.088	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Cadmium	0.42	J	0.50	0.063	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Calcium	190000	B	50	13	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Chromium	15		0.50	0.058	mg/Kg	☼	10/17/13 09:15	10/18/13 11:56	1
Cobalt	1.6		1.2	0.089	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Copper	46		2.5	0.22	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Iron	9000		50	20	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Lead	22		1.2	0.37	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Magnesium	110000	B	25	5.1	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Manganese	370	B	2.5	0.13	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Nickel	5.3	B	0.50	0.049	mg/Kg	☼	10/17/13 09:15	10/18/13 11:56	1
Potassium	530		25	1.5	mg/Kg	☼	10/17/13 09:15	10/18/13 11:56	1
Selenium	<2.5		2.5	0.88	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Silver	<1.2		1.2	0.090	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Sodium	980		50	6.7	mg/Kg	☼	10/17/13 09:15	10/18/13 11:56	1
Strontium	67	B ^	0.25	0.010	mg/Kg	☼	10/17/13 09:15	10/18/13 11:56	1
Thallium	<2.5		2.5	1.0	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Vanadium	12		1.2	0.18	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5
Zinc	68	B	5.0	1.0	mg/Kg	☼	10/17/13 09:15	10/22/13 01:16	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/29/13 12:00	10/29/13 16:31	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		10/24/13 13:00	10/25/13 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	15	7.1	ug/Kg	☼	10/18/13 15:00	10/21/13 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.25		0.200	0.200	SU			10/22/13 08:40	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

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

Certification Summary

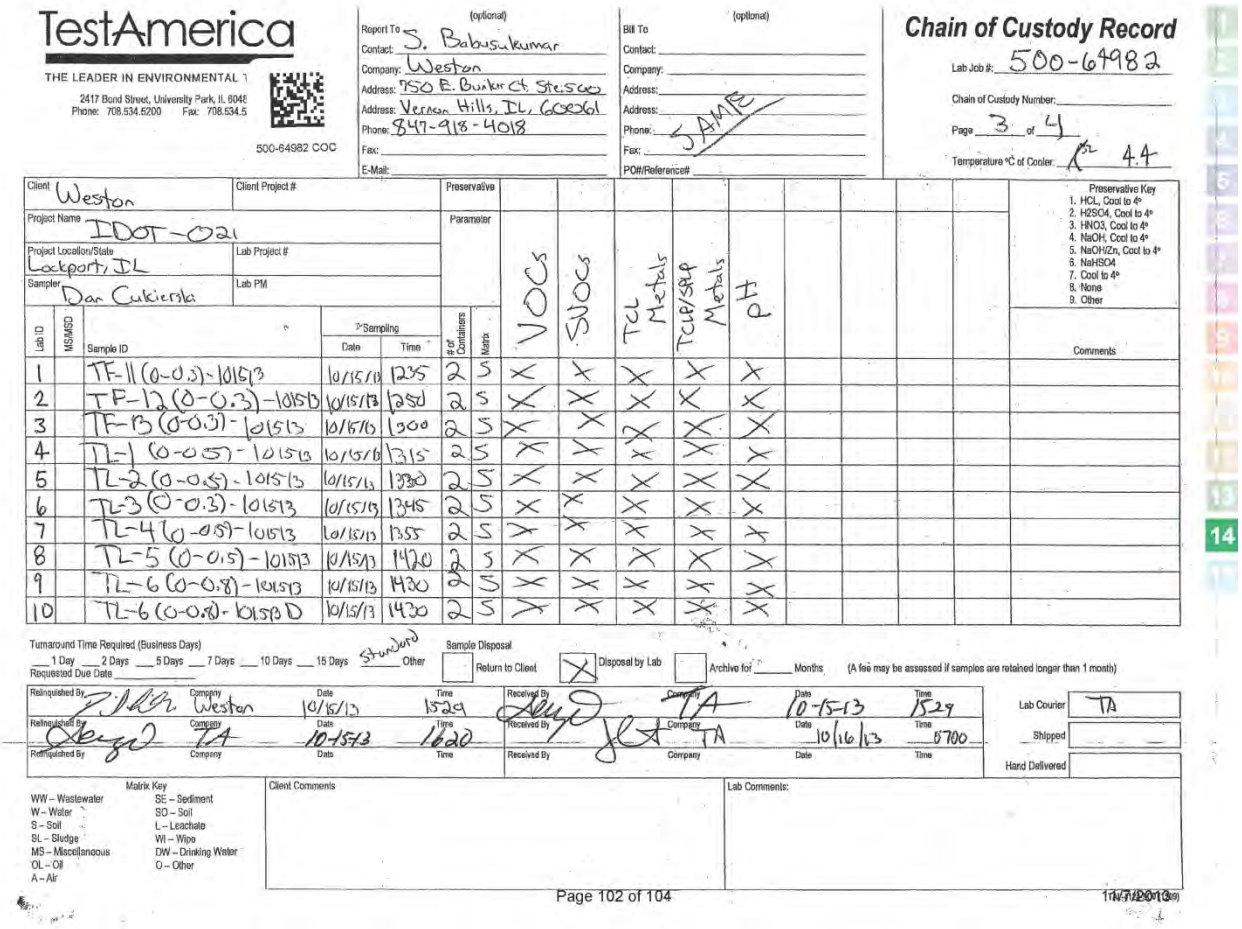
Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Laboratory: TestAmerica Chicago

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

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



TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-64982 COC

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

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

Chain of Custody Record

Lab Job #: 500-64982
Chain of Custody Number:
Page 3 of 4
Temperature °C of Cooler: IR 4.4

Client: Weston
Client Project #:
Project Name: IDOT-021
Project Location/State: Lockport, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	Hg					Comments
1		TF-11 (0-0.3)-101513	10/15/13	1235	2	S	X	X	X	X	X					
2		TF-12 (0-0.3)-101513D	10/15/13	1250	2	S	X	X	X	X	X					
3		TF-13 (0-0.3)-101513	10/15/13	1300	2	S	X	X	X	X	X					
4		TL-1 (0-0.5)-101513	10/15/13	1315	2	S	X	X	X	X	X					
5		TL-2 (0-0.5)-101513	10/15/13	1330	2	S	X	X	X	X	X					
6		TL-3 (0-0.3)-101513	10/15/13	1345	2	S	X	X	X	X	X					
7		TL-4 (0-0.8)-101513	10/15/13	1355	2	S	X	X	X	X	X					
8		TL-5 (0-0.5)-101513	10/15/13	1420	2	S	X	X	X	X	X					
9		TL-6 (0-0.8)-101513	10/15/13	1430	2	S	X	X	X	X	X					
10		TL-6 (0-0.8)-101513D	10/15/13	1430	2	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/15/13	1529		TA	10-15-13	1529
	TA	10-15-13	1620		TA	10/16/13	0700
	Company	Date	Time		Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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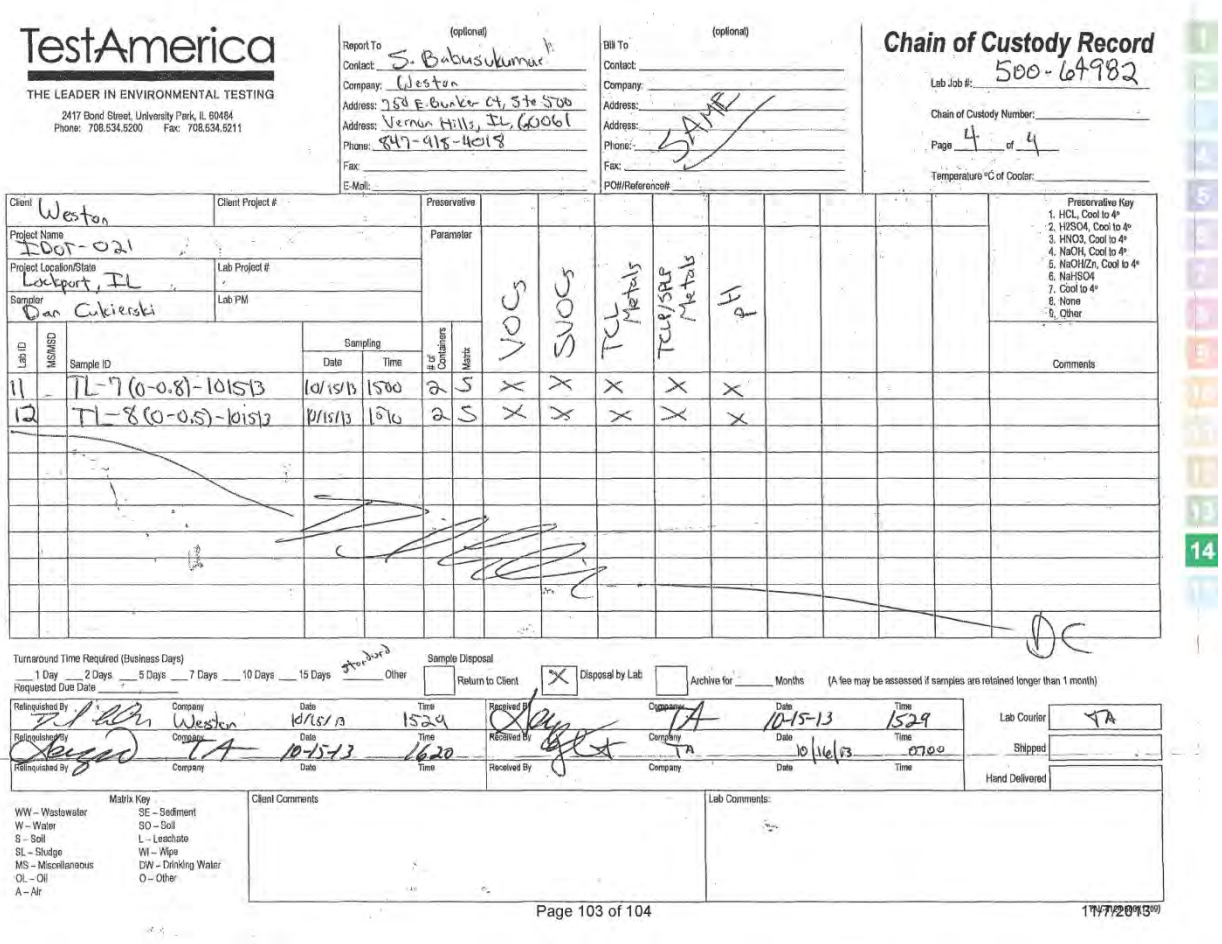

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record
Lab Job #: 500-64982
Chain of Custody Number:
Page 4 of 4
Temperature °C of Cooler:

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

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

Client: Weston
Project Name: IDOT-021
Project Location/State: Lockport, IL
Sampler: Dan Cukierski
Client Project #
Lab Project #
Lab PM

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	Hg						Comments
11		TL-7 (0-0.8)-101513	10/15/13	1500	2	S	X	X	X	X	X						
12		TL-8 (0-0.5)-101513	10/15/13	1510	2	S	X	X	X	X	X						

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date:

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/15/13	1529		TA	10-15-13	1529
	TA	10-15-13	1620		TA	10/16/13	0700

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
Southwest of 12327 New Avenue

City: Lemont State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.657243021 (Decimal Degrees) Longitude: -88.044817803 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.657243021 Longitude: -88.044817803

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 TL-1 AND TL-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2518-40. SEE FIGURE 3-7 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: 500-64982-1

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:

12/24/13
Date:

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

Summary Table of ISGS Site No. 2518-40
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	TL-1(0-0.5)-101513	TL-2(0-0.5)-101513	Soil Reference Concentrations[A]
Sample Date	10/15/2013	10/15/2013	
Location ID	TL-1	TL-2	
Depth	0 - 0.5	0 - 0.5	
Parameter			
Laboratory pH (s.u.)	8.02	8.7	<6.25,>9.0
VOCs (ug/kg)	None Detected	None Detected	
SVOCs (ug/kg)			
2-Methylnaphthalene	66 J	ND	—
Anthracene	28 J	ND	1.20E+07
Benzo(a)anthracene	280	380 J	900 / 1100 / 1800
Benzo(a)pyrene	290	420 J	90 / 1300 / 2100
Benzo(b)fluoranthene	470	530 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	280	580 J	2300000
Benzo(k)fluoranthene	95	240 J	9000
bis(2-Ethylhexyl)phthalate	130 J	ND	46000
Chrysene	610	790	88000
Dibenzo(a,h)anthracene	96	ND	90 / 200 / 420
Fluoranthene	310	340 J	3100000
Fluorene	9.8 J	ND	560000
Indeno(1,2,3-cd)pyrene	180	340 J	900 / 900 / 1600
Naphthalene, SVOC	32 J	ND	1800
Phenanthrene	280	350 J	210000
Pyrene	490	480 J	2300000
Total Metals (mg/kg)			
Aluminum, Total	1800 B	5100 B	9200 / 9500
Antimony, Total	ND	0.93 J	5
Arsenic, Total	2.7	4.5	11.3 / 13
Barium, Total	52	69	1500
Beryllium, Total	0.27 J	0.42	22
Cadmium, Total	0.6	0.75	5.2
Calcium, Total	150000 B	100000 B	—
Chromium, Total	15	20	21
Cobalt, Total	2.9	4.1	20
Copper, Total	16	26	2900
Iron, Total	11000	11000	15000 / 15900
Lead, Total	52	67	107
Magnesium, Total	91000 B	45000 B	325000
Manganese, Total	370 B	350 B	630 / 636
Mercury, Total	0.038	0.039	0.89
Nickel, Total	10 B	12 B	100
Potassium, Total	940	1300	—
Sodium, Total	260	1100	—
Strontium, Total	57 J	42 J	84
Vanadium, Total	17	20 B	550
Zinc, Total	240 B	220 B	5100
TCLP Metals (mg/l)			
Barium, TCLP	ND	0.46 J	2
Cadmium, TCLP	0.0038 J	0.0048 J	0.005
Cobalt, TCLP	0.0062 J	ND	1
Copper, TCLP	0.026	ND	0.65
Lead, TCLP	0.0051 J	ND	0.0075
Manganese, TCLP	1.2	0.11	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	0.011 J	0.011 J	0.1
Zinc, TCLP	0.79 B	0.39 B	5
SPLP Metals (mg/l)			
Barium, SPLP	0.03 J	1	2
Chromium, SPLP	ND	0.032	0.1
Cobalt, SPLP	ND	0.0055 J	1
Copper, SPLP	0.011 J	0.065	0.65
Iron, SPLP	1.8	15	5
Lead, SPLP	0.02	0.081	0.0075
Manganese, SPLP	0.025	0.19	0.15
Mercury, SPLP	ND	0.000041 J	0.002
Nickel, SPLP	ND	0.017 J	0.1
Zinc, SPLP	0.12	1.1	5

Summary Table of ISGS Site No. 2518-40
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Notes:

— - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

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: 500-64982-1
Client Project/Site: IDOT - New Avenue - 021
Revision: 1

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

Attn: Mr. S. Babusukumar

Cindy Pritchard

Authorized for release by:
11/7/2013 3:59:38 PM
Cindy Pritchard, Project Mgmt. Assistant
cindy.pritchard@testamericainc.com

Designee for

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TL-1(0-0.5)-101513
Date Collected: 10/15/13 13:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-4
Matrix: Solid
Percent Solids: 93.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.3	ug/Kg			10/21/13 19:05	1
Benzene	<5.4		5.4	0.73	ug/Kg			10/21/13 19:05	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg			10/21/13 19:05	1
Bromoform	<5.4		5.4	1.2	ug/Kg			10/21/13 19:05	1
Bromomethane	<5.4	*	5.4	1.6	ug/Kg			10/21/13 19:05	1
Carbon disulfide	<5.4		5.4	0.80	ug/Kg			10/21/13 19:05	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg			10/21/13 19:05	1
Chlorobenzene	<5.4		5.4	0.54	ug/Kg			10/21/13 19:05	1
Chloroethane	<5.4	*	5.4	1.5	ug/Kg			10/21/13 19:05	1
Chloroform	<5.4		5.4	0.62	ug/Kg			10/21/13 19:05	1
Chloromethane	<5.4		5.4	1.1	ug/Kg			10/21/13 19:05	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg			10/21/13 19:05	1
cis-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg			10/21/13 19:05	1
Dibromochloromethane	<5.4		5.4	0.93	ug/Kg			10/21/13 19:05	1
1,1-Dichloroethane	<5.4		5.4	0.85	ug/Kg			10/21/13 19:05	1
1,2-Dichloroethane	<5.4		5.4	0.79	ug/Kg			10/21/13 19:05	1
1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg			10/21/13 19:05	1
1,2-Dichloropropane	<5.4		5.4	0.81	ug/Kg			10/21/13 19:05	1
1,3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg			10/21/13 19:05	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg			10/21/13 19:05	1
2-Hexanone	<5.4		5.4	1.5	ug/Kg			10/21/13 19:05	1
Methylene Chloride	<5.4		5.4	1.4	ug/Kg			10/21/13 19:05	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg			10/21/13 19:05	1
methyl isobutyl ketone	<5.4	*	5.4	1.4	ug/Kg			10/21/13 19:05	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg			10/21/13 19:05	1
Styrene	<5.4		5.4	0.70	ug/Kg			10/21/13 19:05	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg			10/21/13 19:05	1
Tetrachloroethene	<5.4		5.4	0.82	ug/Kg			10/21/13 19:05	1
Toluene	<5.4		5.4	0.75	ug/Kg			10/21/13 19:05	1
trans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg			10/21/13 19:05	1
trans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg			10/21/13 19:05	1
1,1,1-Trichloroethane	<5.4		5.4	0.80	ug/Kg			10/21/13 19:05	1
1,1,2-Trichloroethane	<5.4		5.4	0.73	ug/Kg			10/21/13 19:05	1
Trichloroethene	<5.4		5.4	0.88	ug/Kg			10/21/13 19:05	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg			10/21/13 19:05	1
Xylenes, Total	<11		11	0.49	ug/Kg			10/21/13 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*10/21/13 19:05*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*10/21/13 19:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*		*10/21/13 19:05*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/21/13 19:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
1,2-Dichlorobenzene	<180		180	38	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
1,3-Dichlorobenzene	<180	*	180	37	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
1,4-Dichlorobenzene	<180	*	180	37	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2,2'-oxybis[1-chloropropane]	<180		180	39	ug/Kg		10/22/13 07:27	10/28/13 18:08	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TL-1(0-0.5)-101513
Date Collected: 10/15/13 13:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-4
Matrix: Solid
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	100	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2,4,6-Trichlorophenol	<350		350	44	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2,4-Dichlorophenol	<350		350	110	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2,4-Dimethylphenol	<350		350	110	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2,4-Dinitrophenol	<700		700	180	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2,4-Dinitrotoluene	<180		180	53	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2,6-Dinitrotoluene	<180		180	42	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2-Chloronaphthalene	<180		180	39	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2-Chlorophenol	<180		180	50	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2-Methylnaphthalene	66	J	180	45	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2-Methylphenol	<180		180	46	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2-Nitroaniline	<180		180	63	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
2-Nitrophenol	<350		350	55	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
3 & 4 Methylphenol	<180		180	66	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
3,3'-Dichlorobenzidine	<180		180	29	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
3-Nitroaniline	<350		350	67	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
4,6-Dinitro-2-methylphenol	<350		350	85	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
4-Bromophenyl phenyl ether	<180		180	39	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
4-Chloro-3-methylphenol	<350		350	170	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
4-Chloroaniline	<700		700	110	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
4-Chlorophenyl phenyl ether	<180		180	55	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
4-Nitroaniline	<350		350	72	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
4-Nitrophenol	<700		700	190	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Acenaphthene	<35		35	10	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Acenaphthylene	<35		35	8.0	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Anthracene	28	J	35	8.2	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Benzo[a]anthracene	280		35	7.3	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Benzo[a]pyrene	290		35	6.4	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Benzo[b]fluoranthene	470		35	6.8	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Benzo[g,h,i]perylene	280		35	12	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Benzo[k]fluoranthene	95		35	8.3	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Bis(2-chloroethoxy)methane	<180		180	39	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Bis(2-ethylhexyl) phthalate	130	J	180	46	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Butyl benzyl phthalate	<180		180	44	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Carbazole	<180		180	49	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Chrysene	610		35	7.9	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Dibenz(a,h)anthracene	96		35	9.8	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Dibenzofuran	<180		180	42	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Diethyl phthalate	<180		180	58	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Dimethyl phthalate	<180		180	44	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Di-n-butyl phthalate	<180		180	44	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Di-n-octyl phthalate	<180		180	71	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Fluoranthene	310		35	14	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Fluorene	9.8	J	35	7.9	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Hexachlorobenzene	<70		70	6.9	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Hexachlorobutadiene	<180		180	46	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Hexachlorocyclopentadiene	<700		700	160	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Hexachloroethane	<180	*	180	37	ug/Kg		10/22/13 07:27	10/28/13 18:08	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TL-1(0-0.5)-101513
Date Collected: 10/15/13 13:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-4
Matrix: Solid
Percent Solids: 93.2

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	180		35	12	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
Isophorone	<180		180	39	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
Naphthalene	32	J	35	6.7	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
Nitrobenzene	<35		35	11	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
N-Nitrosodiphenylamine	<180		180	47	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
Pentachlorophenol	<700		700	180	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
Phenanthrene	280		35	15	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
Phenol	<180		180	55	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1
Pyrene	490		35	13	ug/Kg	☼	10/22/13 07:27	10/28/13 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*35 - 137*	*10/22/13 07:27*	*10/28/13 18:08*	*1*
2-Fluorobiphenyl	*76*		*25 - 119*	*10/22/13 07:27*	*10/28/13 18:08*	*1*
2-Fluorophenol	*61*		*25 - 110*	*10/22/13 07:27*	*10/28/13 18:08*	*1*
Nitrobenzene-d5	*62*		*25 - 115*	*10/22/13 07:27*	*10/28/13 18:08*	*1*
Phenol-d5	*64*		*31 - 110*	*10/22/13 07:27*	*10/28/13 18:08*	*1*
Terphenyl-d14	*81*		*36 - 134*	*10/22/13 07:27*	*10/28/13 18:08*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 01:55	1
Barium	0.29	J B ^	0.50	0.010	mg/L		10/27/13 14:30	10/29/13 01:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/29/13 01:55	1
Cadmium	0.0038	J	0.0050	0.0020	mg/L		10/27/13 14:30	10/29/13 01:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 01:55	1
Cobalt	0.0062	J	0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 01:55	1
Copper	0.026		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 01:55	1
Iron	<0.20	^	0.20	0.20	mg/L		10/27/13 14:30	10/29/13 01:55	1
Lead	0.0051	J	0.0075	0.0050	mg/L		10/27/13 14:30	10/29/13 01:55	1
Manganese	1.2		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 01:55	1
Nickel	0.011	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 01:55	1
Selenium	0.013	J B	0.050	0.010	mg/L		10/27/13 14:30	10/29/13 01:55	1
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 01:55	1
Zinc	0.79	B	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/24/13 09:30	10/25/13 04:04	1
Barium	0.030	J	0.50	0.010	mg/L		10/24/13 09:30	10/25/13 04:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/24/13 09:30	10/25/13 04:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/24/13 09:30	10/25/13 04:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 04:04	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/24/13 09:30	10/25/13 04:04	1
Copper	0.011	J	0.025	0.010	mg/L		10/24/13 09:30	10/25/13 04:04	1
Iron	1.8		0.20	0.20	mg/L		10/24/13 09:30	10/25/13 04:04	1
Lead	0.020		0.0075	0.0050	mg/L		10/24/13 09:30	10/25/13 04:04	1
Manganese	0.025		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 04:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 04:04	1
Selenium	<0.050		0.050	0.010	mg/L		10/24/13 09:30	10/25/13 04:04	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TL-1(0-0.5)-101513
Date Collected: 10/15/13 13:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/24/13 09:30	10/25/13 04:04	1
Zinc	0.12		0.10	0.020	mg/L		10/24/13 09:30	10/25/13 04:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1800	B	10	0.96	mg/Kg	☼	10/17/13 09:15	10/18/13 12:23	1
Antimony	<5.2		5.2	2.1	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Arsenic	2.7		2.6	0.52	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Barium	52		2.6	0.28	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Beryllium	0.27	J	1.0	0.092	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Cadmium	0.60		0.52	0.066	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Calcium	150000	B	52	14	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Chromium	15		0.52	0.061	mg/Kg	☼	10/17/13 09:15	10/18/13 12:23	1
Cobalt	2.9		1.3	0.093	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Copper	16		2.6	0.23	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Iron	11000		52	22	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Lead	52		1.3	0.39	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Magnesium	91000	B	26	5.4	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Manganese	370	B	2.6	0.14	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Nickel	10	B	2.6	0.26	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Potassium	940		26	1.6	mg/Kg	☼	10/17/13 09:15	10/18/13 12:23	1
Selenium	<2.6		2.6	0.93	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Silver	<1.3		1.3	0.095	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Sodium	260		52	7.0	mg/Kg	☼	10/17/13 09:15	10/18/13 12:23	1
Strontium	57	B ^	0.26	0.011	mg/Kg	☼	10/17/13 09:15	10/18/13 12:23	1
Thallium	<2.6		2.6	1.1	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Vanadium	17		1.3	0.19	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5
Zinc	240	B	5.2	1.1	mg/Kg	☼	10/17/13 09:15	10/22/13 01:29	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/29/13 12:00	10/29/13 16:39	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		10/24/13 13:00	10/25/13 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	38		18	8.3	ug/Kg	☼	10/18/13 15:00	10/21/13 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.02		0.200	0.200	SU			10/22/13 08:40	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TL-2(0-0.5)-101513
Date Collected: 10/15/13 13:30
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-5
Matrix: Solid
Percent Solids: 90.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg			10/21/13 19:29	1
Benzene	<5.5		5.5	0.76	ug/Kg			10/21/13 19:29	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg			10/21/13 19:29	1
Bromoform	<5.5		5.5	1.3	ug/Kg			10/21/13 19:29	1
Bromomethane	<5.5	*	5.5	1.7	ug/Kg			10/21/13 19:29	1
Carbon disulfide	<5.5		5.5	0.93	ug/Kg			10/21/13 19:29	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg			10/21/13 19:29	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg			10/21/13 19:29	1
Chloroethane	<5.5	*	5.5	1.5	ug/Kg			10/21/13 19:29	1
Chloroform	<5.5		5.5	0.64	ug/Kg			10/21/13 19:29	1
Chloromethane	<5.5		5.5	1.2	ug/Kg			10/21/13 19:29	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg			10/21/13 19:29	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg			10/21/13 19:29	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg			10/21/13 19:29	1
1,1-Dichloroethane	<5.5		5.5	0.88	ug/Kg			10/21/13 19:29	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg			10/21/13 19:29	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg			10/21/13 19:29	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg			10/21/13 19:29	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg			10/21/13 19:29	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg			10/21/13 19:29	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg			10/21/13 19:29	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg			10/21/13 19:29	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg			10/21/13 19:29	1
methyl isobutyl ketone	<5.5	*	5.5	1.4	ug/Kg			10/21/13 19:29	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg			10/21/13 19:29	1
Styrene	<5.5		5.5	0.73	ug/Kg			10/21/13 19:29	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg			10/21/13 19:29	1
Tetrachloroethene	<5.5		5.5	0.85	ug/Kg			10/21/13 19:29	1
Toluene	<5.5		5.5	0.77	ug/Kg			10/21/13 19:29	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg			10/21/13 19:29	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg			10/21/13 19:29	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg			10/21/13 19:29	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg			10/21/13 19:29	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg			10/21/13 19:29	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg			10/21/13 19:29	1
Xylenes, Total	<11		11	0.50	ug/Kg			10/21/13 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*10/21/13 19:29*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*10/21/13 19:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*10/21/13 19:29*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/21/13 19:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<3500		3500	790	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
1,2-Dichlorobenzene	<3500		3500	770	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
1,3-Dichlorobenzene	<3500	*	3500	740	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
1,4-Dichlorobenzene	<3500	*	3500	740	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2,2'-oxybis[1-chloropropane]	<3500		3500	780	ug/Kg		10/22/13 07:27	10/28/13 18:25	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TL-2(0-0.5)-101513
Date Collected: 10/15/13 13:30
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-5
Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<7000		7000	2000	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2,4,6-Trichlorophenol	<7000		7000	880	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2,4-Dichlorophenol	<7000		7000	2100	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2,4-Dimethylphenol	<7000		7000	2200	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2,4-Dinitrophenol	<14000		14000	3600	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2,4-Dinitrotoluene	<3500		3500	1100	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2,6-Dinitrotoluene	<3500		3500	830	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2-Chloronaphthalene	<3500		3500	790	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2-Chlorophenol	<3500		3500	1000	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2-Methylnaphthalene	<3500		3500	910	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2-Methylphenol	<3500		3500	930	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2-Nitroaniline	<3500		3500	1300	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
2-Nitrophenol	<7000		7000	1100	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
3 & 4 Methylphenol	<3500		3500	1300	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
3,3'-Dichlorobenzidine	<3500		3500	580	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
3-Nitroaniline	<7000		7000	1400	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
4,6-Dinitro-2-methylphenol	<7000		7000	1700	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
4-Bromophenyl phenyl ether	<3500		3500	780	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
4-Chloro-3-methylphenol	<7000		7000	3400	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
4-Chloroaniline	<14000		14000	2100	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
4-Chlorophenyl phenyl ether	<3500		3500	1100	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
4-Nitroaniline	<7000		7000	1400	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
4-Nitrophenol	<14000		14000	3800	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Acenaphthene	<700		700	210	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Acenaphthylene	<700		700	160	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Anthracene	<700		700	160	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Benzo[a]anthracene	380	J	700	150	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Benzo[a]pyrene	420	J	700	130	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Benzo[b]fluoranthene	530	J	700	140	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Benzo[g,h,i]perylene	580	J	700	240	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Benzo[k]fluoranthene	240	J	700	170	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Bis(2-chloroethoxy)methane	<3500		3500	770	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Bis(2-chloroethyl)ether	<3500		3500	1000	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Bis(2-ethylhexyl) phthalate	<3500		3500	930	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Butyl benzyl phthalate	<3500		3500	880	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Carbazole	<3500		3500	990	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Chrysene	790		700	160	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Dibenz(a,h)anthracene	<700		700	200	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Dibenzofuran	<3500		3500	840	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Diethyl phthalate	<3500		3500	1200	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Dimethyl phthalate	<3500		3500	880	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Di-n-butyl phthalate	<3500		3500	880	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Di-n-octyl phthalate	<3500		3500	1400	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Fluoranthene	340	J	700	290	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Fluorene	<700		700	160	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Hexachlorobenzene	<1400		1400	140	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Hexachlorobutadiene	<3500		3500	920	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Hexachlorocyclopentadiene	<14000		14000	3200	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Hexachloroethane	<3500	*	3500	750	ug/Kg		10/22/13 07:27	10/28/13 18:25	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TL-2(0-0.5)-101513
Date Collected: 10/15/13 13:30
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-5
Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	340	J	700	240	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
Isophorone	<3500		3500	780	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
Naphthalene	<700		700	140	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
Nitrobenzene	<700		700	220	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
N-Nitrosodi-n-propylamine	<3500		3500	890	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
N-Nitrosodiphenylamine	<3500		3500	950	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
Pentachlorophenol	<14000		14000	3600	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
Phenanthrene	350	J	700	290	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
Phenol	<3500		3500	1100	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5
Pyrene	480	J	700	250	ug/Kg	☼	10/22/13 07:27	10/28/13 18:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*35 - 137*	*10/22/13 07:27*	*10/28/13 18:25*	*5*
2-Fluorobiphenyl	*44*		*25 - 119*	*10/22/13 07:27*	*10/28/13 18:25*	*5*
2-Fluorophenol	*40*		*25 - 110*	*10/22/13 07:27*	*10/28/13 18:25*	*5*
Nitrobenzene-d5	*34*		*25 - 115*	*10/22/13 07:27*	*10/28/13 18:25*	*5*
Phenol-d5	*33*		*31 - 110*	*10/22/13 07:27*	*10/28/13 18:25*	*5*
Terphenyl-d14	*44*		*36 - 134*	*10/22/13 07:27*	*10/28/13 18:25*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 02:01	1
Barium	0.46	J B ^	0.50	0.010	mg/L		10/27/13 14:30	10/29/13 02:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/29/13 02:01	1
Cadmium	0.0048	J	0.0050	0.0020	mg/L		10/27/13 14:30	10/29/13 02:01	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 02:01	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 02:01	1
Copper	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 02:01	1
Iron	<0.20	^	0.20	0.20	mg/L		10/27/13 14:30	10/29/13 02:01	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/27/13 14:30	10/29/13 02:01	1
Manganese	0.11		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 02:01	1
Nickel	0.011	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 02:01	1
Selenium	0.014	J B	0.050	0.010	mg/L		10/27/13 14:30	10/29/13 02:01	1
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 02:01	1
Zinc	0.39	B	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/24/13 09:30	10/25/13 04:10	1
Barium	1.0		0.50	0.010	mg/L		10/24/13 09:30	10/25/13 04:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/24/13 09:30	10/25/13 04:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/24/13 09:30	10/25/13 04:10	1
Chromium	0.032		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 04:10	1
Cobalt	0.0055	J	0.025	0.0050	mg/L		10/24/13 09:30	10/25/13 04:10	1
Copper	0.065		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 04:10	1
Iron	15		0.20	0.20	mg/L		10/24/13 09:30	10/25/13 04:10	1
Lead	0.081		0.0075	0.0050	mg/L		10/24/13 09:30	10/25/13 04:10	1
Manganese	0.19		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 04:10	1
Nickel	0.017	J	0.025	0.010	mg/L		10/24/13 09:30	10/25/13 04:10	1
Selenium	<0.050		0.050	0.010	mg/L		10/24/13 09:30	10/25/13 04:10	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Client Sample ID: TL-2(0-0.5)-101513
Date Collected: 10/15/13 13:30
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64982-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/24/13 09:30	10/25/13 04:10	1
Zinc	1.1		0.10	0.020	mg/L		10/24/13 09:30	10/25/13 04:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5100	B	11	1.0	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Antimony	0.93	J	1.1	0.44	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Arsenic	4.5		0.54	0.11	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Barium	69		0.54	0.058	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Beryllium	0.42		0.22	0.019	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Cadmium	0.75		0.11	0.014	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Calcium	100000	B	110	29	mg/Kg	☼	10/17/13 09:15	10/22/13 01:35	10
Chromium	20		0.54	0.063	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Cobalt	4.1		0.27	0.019	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Copper	26		0.54	0.048	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Iron	11000		11	4.5	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Lead	67		0.27	0.081	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Magnesium	45000	B	5.4	1.1	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Manganese	350	B	0.54	0.029	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Nickel	12	B	0.54	0.053	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Potassium	1300		27	1.6	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Silver	0.023	J B	0.27	0.020	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Sodium	1100		54	7.3	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Strontium	42	B ^	0.27	0.011	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Vanadium	20	B	0.27	0.040	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1
Zinc	220	B	1.1	0.22	mg/Kg	☼	10/17/13 09:15	10/18/13 12:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/29/13 12:00	10/29/13 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041	J	0.20	0.020	ug/L		10/24/13 13:00	10/25/13 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	39		18	8.2	ug/Kg	☼	10/18/13 15:00	10/21/13 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.70		0.200	0.200	SU			10/22/13 08:40	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	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.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

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

Certification Summary

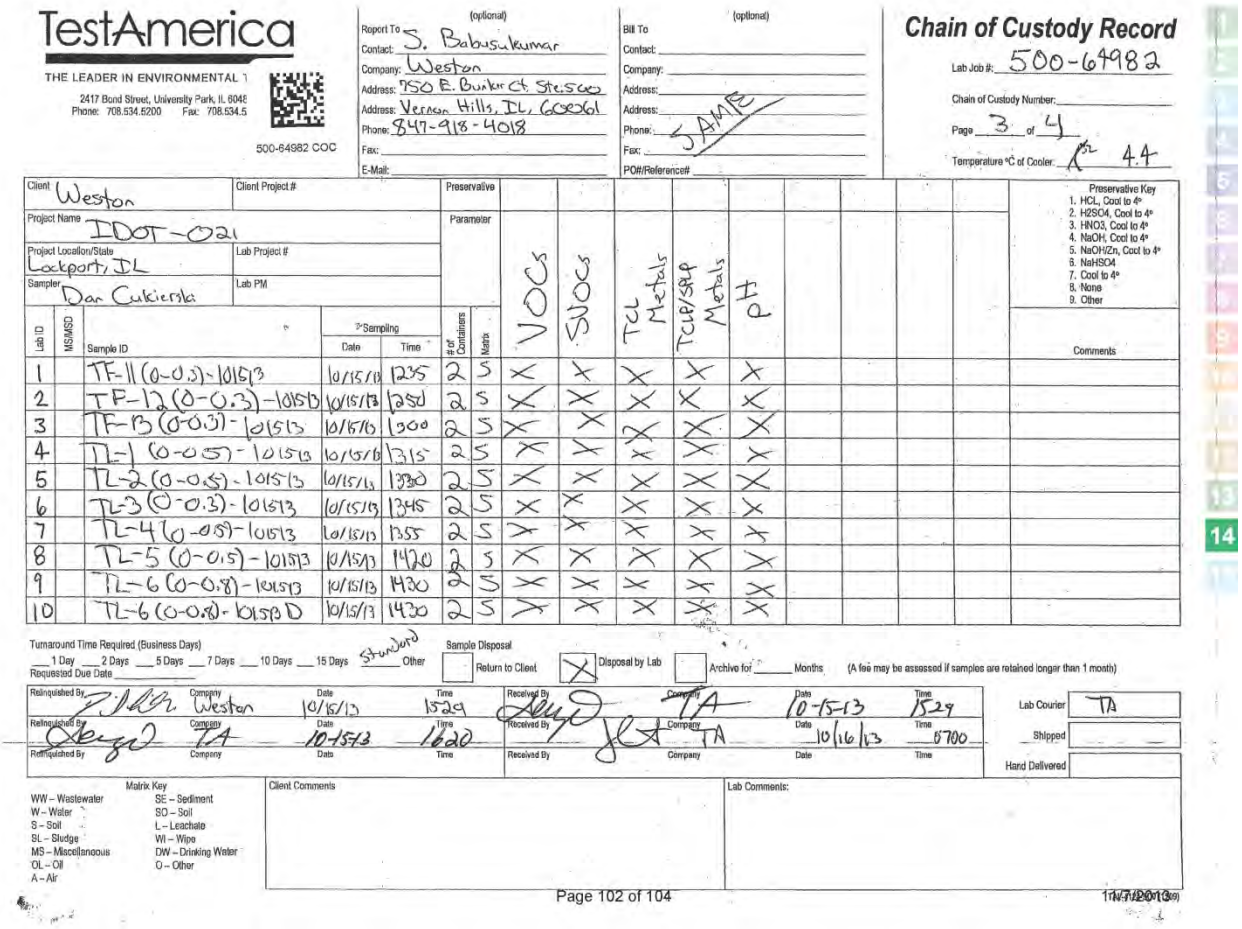
Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64982-1

Laboratory: TestAmerica Chicago

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

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



TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-64982 COC

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

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

Chain of Custody Record

Lab Job #: 500-64982
Chain of Custody Number:
Page 3 of 4
Temperature °C of Cooler: IR 4.4

Client: Weston
Client Project #:
Project Name: IDOT-021
Project Location/State: Lockport, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	Hg					Comments
1		TF-11 (0-0.3)-101513	10/15/13	1235	2	S	X	X	X	X	X					
2		TF-12 (0-0.3)-101513	10/15/13	1250	2	S	X	X	X	X	X					
3		TF-13 (0-0.3)-101513	10/15/13	1300	2	S	X	X	X	X	X					
4		TL-1 (0-0.5)-101513	10/15/13	1315	2	S	X	X	X	X	X					
5		TL-2 (0-0.5)-101513	10/15/13	1330	2	S	X	X	X	X	X					
6		TL-3 (0-0.3)-101513	10/15/13	1345	2	S	X	X	X	X	X					
7		TL-4 (0-0.8)-101513	10/15/13	1355	2	S	X	X	X	X	X					
8		TL-5 (0-0.5)-101513	10/15/13	1420	2	S	X	X	X	X	X					
9		TL-6 (0-0.8)-101513	10/15/13	1430	2	S	X	X	X	X	X					
10		TL-6 (0-0.8)-101513D	10/15/13	1430	2	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/15/13	1529		TA	10-15-13	1529
	TA	10-15-13	1620		TA	10/16/13	0700
	Company	Date	Time		Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:
Lab Comments:

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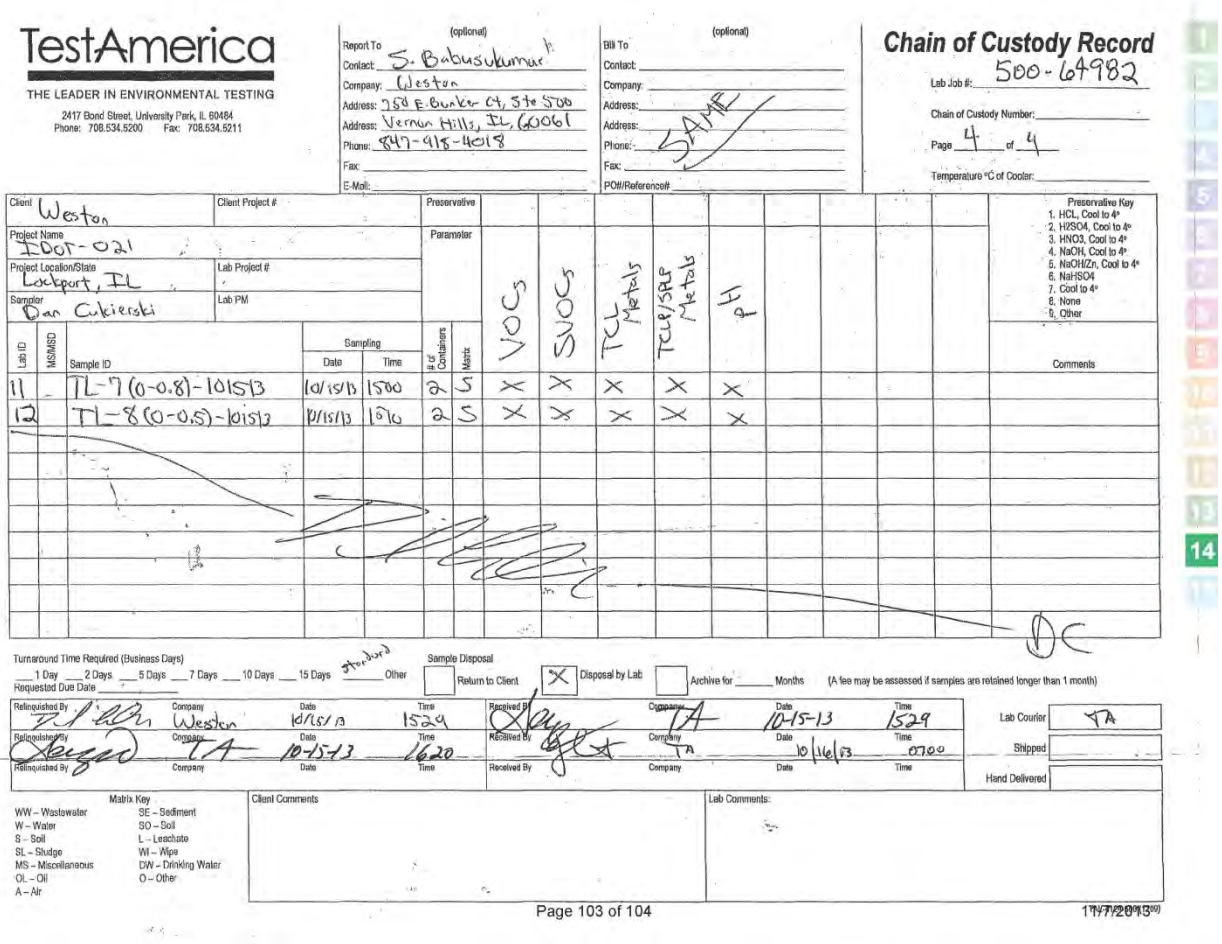

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-64982
Chain of Custody Number:
Page 4 of 4
Temperature °C of Cooler:

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

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

Client: Weston
Client Project #:
Project Name: IDOT-021
Project Location/State: Lockport, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	Hg						Comments
11		TL-7 (0-0.8)-101513	10/15/13	1500	2	S	X	X	X	X	X						
12		TL-8 (0-0.5)-101513	10/15/13	1510	2	S	X	X	X	X	X						

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date:

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/15/13	1529		TA	10-15-13	1529
	TA	10-15-13	1620		TA	10/16/13	0700

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Page 103 of 104

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
12327 New Avenue

City: Lemont State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.6582248396 Longitude: -88.0438500097
(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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.6582248396 Longitude: -88.0438500097

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 VL41-2 AND VL41-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2518-41. SEE FIGURE 3-8 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: 500-64981-1

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:

12/24/15
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

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

Summary Table of ISGS Site No. 2518-41
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	VL41-2(0-0.5)-101513	VL41-3(0-0.5)-101513	Soil Reference Concentrations[A]
Sample Date	10/15/2013	10/15/2013	
Location ID	VL41-2	VL41-3	
Depth	0 - 0.5	0 - 0.5	
Parameter			
Laboratory pH (s.u.)	8.46	8.33	<6.25,>9.0
VOCs (ug/kg)	None Detected	None Detected	
SVOCs (ug/kg)			
Benzo(a)anthracene	170	130 J	900 / 1100 / 1800
Benzo(a)pyrene	220	180	90 / 1300 / 2100
Benzo(b)fluoranthene	280	220	900 / 1500 / 2100
Benzo(g,h,i)perylene	330	190	2300000
Benzo(k)fluoranthene	100 J	89 J	9000
bis(2-Ethylhexyl)phthalate	ND	260 J	46000
Chrysene	370	290	88000
Dibenzo(a,h)anthracene	76 J	65 J	90 / 200 / 420
Fluoranthene	220	210	3100000
Indeno(1,2,3-cd)pyrene	160 J	92 J	900 / 900 / 1600
Phenanthrene	120 J	130 J	210000
Pyrene	280	190	2300000
Total Metals (mg/kg)			
Aluminum, Total	4100	2000	9200 / 9500
Arsenic, Total	4.5	3.5	11.3 / 13
Barium, Total	35	23	1500
Beryllium, Total	0.41 J	0.27 J	22
Cadmium, Total	0.68	0.45 J	5.2
Calcium, Total	140000 B	160000 B	—
Chromium, Total	16	14	21
Cobalt, Total	4.1	2.3	20
Copper, Total	15	12	2900
Iron, Total	11000	9500	15000 / 15900
Lead, Total	24 B	17 B	107
Magnesium, Total	80000 B	90000 B	325000
Manganese, Total	450 B	410 B	630 / 636
Mercury, Total	0.03	0.019	0.89
Nickel, Total	11	7.8	100
Potassium, Total	1200	890	—
Sodium, Total	1100	580	—
Strontium, Total	52 B^	56 B^	84
Vanadium, Total	16 B	13 B	550
Zinc, Total	76 B	52 B	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.71 B	0.29 J	2
Cadmium, TCLP	0.0033 J	0.003 J	0.005
Cobalt, TCLP	0.0098 J	0.016 J	1
Copper, TCLP	0.022 J	0.02 J	0.65
Iron, TCLP	ND	0.24	5
Lead, TCLP	0.0052 J	0.0084	0.0075
Manganese, TCLP	2.3	2.3	0.15
Nickel, TCLP	0.021 J	0.026	0.1
Zinc, TCLP	0.35	0.15	5
SPLP Metals (mg/l)			
Barium, SPLP	0.08 J	0.026 J	2
Chromium, SPLP	0.012 J	ND	0.1
Copper, SPLP	0.013 J	ND	0.65
Iron, SPLP	8	ND	5
Lead, SPLP	0.011	ND	0.0075
Manganese, SPLP	0.057	ND	0.15
Mercury, SPLP	0.000026 J	ND	0.002
Zinc, SPLP	0.078 J	0.021 J	5

Summary Table of ISGS Site No. 2518-41
Comparison of Detected Constituents to Applicable Reference Concentrations
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Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Notes:

— - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

^ - Instrument related Quality Control (QC) exceeded the control limits.

Shaded values indicate concentration **exceeds** Reference Concentration

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-64981-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2013 11:53:11 AM

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL41-3(0-0.5)-101513
Date Collected: 10/15/13 11:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-15
Matrix: Solid
Percent Solids: 97.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.1		5.1	2.2	ug/Kg			10/23/13 16:06	1
Benzene	<5.1		5.1	0.70	ug/Kg			10/23/13 16:06	1
Bromodichloromethane	<5.1		5.1	0.88	ug/Kg			10/23/13 16:06	1
Bromoform	<5.1		5.1	1.2	ug/Kg			10/23/13 16:06	1
Bromomethane	<5.1		5.1	1.6	ug/Kg			10/23/13 16:06	1
Carbon disulfide	<5.1		5.1	0.77	ug/Kg			10/23/13 16:06	1
Carbon tetrachloride	<5.1		5.1	0.94	ug/Kg			10/23/13 16:06	1
Chlorobenzene	<5.1		5.1	0.52	ug/Kg			10/23/13 16:06	1
Chloroethane	<5.1		5.1	1.4	ug/Kg			10/23/13 16:06	1
Chloroform	<5.1		5.1	0.59	ug/Kg			10/23/13 16:06	1
Chloromethane	<5.1		5.1	1.1	ug/Kg			10/23/13 16:06	1
cis-1,2-Dichloroethene	<5.1		5.1	0.73	ug/Kg			10/23/13 16:06	1
cis-1,3-Dichloropropene	<5.1		5.1	0.67	ug/Kg			10/23/13 16:06	1
Dibromochloromethane	<5.1		5.1	0.89	ug/Kg			10/23/13 16:06	1
1,1-Dichloroethane	<5.1		5.1	0.81	ug/Kg			10/23/13 16:06	1
1,2-Dichloroethane	<5.1		5.1	0.76	ug/Kg			10/23/13 16:06	1
1,1-Dichloroethene	<5.1		5.1	0.83	ug/Kg			10/23/13 16:06	1
1,2-Dichloropropane	<5.1		5.1	0.78	ug/Kg			10/23/13 16:06	1
1,3-Dichloropropene, Total	<5.1		5.1	0.67	ug/Kg			10/23/13 16:06	1
Ethylbenzene	<5.1		5.1	1.0	ug/Kg			10/23/13 16:06	1
2-Hexanone	<5.1		5.1	1.5	ug/Kg			10/23/13 16:06	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg			10/23/13 16:06	1
Methyl Ethyl Ketone	<5.1		5.1	1.9	ug/Kg			10/23/13 16:06	1
methyl isobutyl ketone	<5.1		5.1	1.3	ug/Kg			10/23/13 16:06	1
Methyl tert-butyl ether	<5.1		5.1	0.85	ug/Kg			10/23/13 16:06	1
Styrene	<5.1		5.1	0.67	ug/Kg			10/23/13 16:06	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	1.0	ug/Kg			10/23/13 16:06	1
Tetrachloroethene	<5.1		5.1	0.79	ug/Kg			10/23/13 16:06	1
Toluene	<5.1		5.1	0.72	ug/Kg			10/23/13 16:06	1
trans-1,2-Dichloroethene	<5.1		5.1	0.71	ug/Kg			10/23/13 16:06	1
trans-1,3-Dichloropropene	<5.1		5.1	0.92	ug/Kg			10/23/13 16:06	1
1,1,1-Trichloroethane	<5.1		5.1	0.77	ug/Kg			10/23/13 16:06	1
1,1,2-Trichloroethane	<5.1		5.1	0.70	ug/Kg			10/23/13 16:06	1
Trichloroethene	<5.1		5.1	0.85	ug/Kg			10/23/13 16:06	1
Vinyl chloride	<5.1		5.1	1.1	ug/Kg			10/23/13 16:06	1
Xylenes, Total	<10		10	0.47	ug/Kg			10/23/13 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 122*		*10/23/13 16:06*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*10/23/13 16:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 134*		*10/23/13 16:06*	*1*
Toluene-d8 (Surr)	*106*		*75 - 122*		*10/23/13 16:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<840		840	190	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
1,2-Dichlorobenzene	<840		840	180	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
1,3-Dichlorobenzene	<840		840	180	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
1,4-Dichlorobenzene	<840		840	180	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2,2'-oxybis[1-chloropropane]	<840		840	180	ug/Kg		10/18/13 17:30	10/25/13 14:18	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL41-3(0-0.5)-101513
Date Collected: 10/15/13 11:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-15
Matrix: Solid
Percent Solids: 97.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1700		1700	480	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2,4,6-Trichlorophenol	<1700		1700	210	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2,4-Dichlorophenol	<1700		1700	510	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2,4-Dimethylphenol	<1700		1700	520	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2,4-Dinitrophenol	<3400		3400	850	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2,4-Dinitrotoluene	<840		840	260	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2,6-Dinitrotoluene	<840		840	200	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2-Chloronaphthalene	<840		840	190	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2-Chlorophenol	<840		840	240	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2-Methylnaphthalene	<840		840	220	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2-Methylphenol	<840		840	220	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2-Nitroaniline	<840		840	300	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
2-Nitrophenol	<1700		1700	260	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
3 & 4 Methylphenol	<840		840	320	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
3,3'-Dichlorobenzidine	<840		840	140	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
3-Nitroaniline	<1700		1700	320	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
4,6-Dinitro-2-methylphenol	<1700		1700	400	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
4-Bromophenyl phenyl ether	<840		840	190	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
4-Chloro-3-methylphenol	<1700		1700	800	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
4-Chloroaniline	<3400		3400	510	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
4-Chlorophenyl phenyl ether	<840		840	260	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
4-Nitroaniline	<1700		1700	340	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
4-Nitrophenol	<3400		3400	900	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Acenaphthene	<170		170	50	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Acenaphthylene	<170		170	38	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Anthracene	<170		170	39	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Benzo[a]anthracene	130	J	170	35	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Benzo[a]pyrene	180		170	30	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Benzo[b]fluoranthene	220		170	32	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Benzo[g,h,i]perylene	190		170	56	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Benzo[k]fluoranthene	89	J	170	40	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Bis(2-chloroethoxy)methane	<840		840	180	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Bis(2-chloroethyl)ether	<840		840	250	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Bis(2-ethylhexyl) phthalate	260	J	840	220	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Butyl benzyl phthalate	<840		840	210	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Carbazole	<840		840	230	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Chrysene	290		170	38	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Dibenz(a,h)anthracene	65	J	170	47	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Dibenzofuran	<840		840	200	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Diethyl phthalate	<840		840	280	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Dimethyl phthalate	<840		840	210	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Di-n-butyl phthalate	<840		840	210	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Di-n-octyl phthalate	<840		840	340	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Fluoranthene	210		170	68	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Fluorene	<170		170	38	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Hexachlorobenzene	<340		340	33	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Hexachlorobutadiene	<840		840	220	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Hexachlorocyclopentadiene	<3400		3400	770	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
Hexachloroethane	<840		840	180	ug/Kg		10/18/13 17:30	10/25/13 14:18	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL41-3(0-0.5)-101513
Date Collected: 10/15/13 11:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-15
Matrix: Solid
Percent Solids: 97.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	92	J	170	56	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
Isophorone	<840		840	190	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
Naphthalene	<170		170	32	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
Nitrobenzene	<170		170	52	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
N-Nitrosodi-n-propylamine	<840		840	210	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
N-Nitrosodiphenylamine	<840		840	230	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
Pentachlorophenol	<3400		3400	850	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
Phenanthrene	130	J	170	70	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
Phenol	<840		840	260	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5
Pyrene	190		170	60	ug/Kg	☼	10/18/13 17:30	10/25/13 14:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*35 - 137*	*10/18/13 17:30*	*10/25/13 14:18*	*5*
2-Fluorobiphenyl	*87*		*25 - 119*	*10/18/13 17:30*	*10/25/13 14:18*	*5*
2-Fluorophenol	*71*		*25 - 110*	*10/18/13 17:30*	*10/25/13 14:18*	*5*
Nitrobenzene-d5	*81*		*25 - 115*	*10/18/13 17:30*	*10/25/13 14:18*	*5*
Phenol-d5	*77*		*31 - 110*	*10/18/13 17:30*	*10/25/13 14:18*	*5*
Terphenyl-d14	*115*		*36 - 134*	*10/18/13 17:30*	*10/25/13 14:18*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/13 08:00	10/26/13 02:47	1
Barium	0.29	J B	0.50	0.010	mg/L		10/25/13 08:00	10/26/13 02:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/13 08:00	10/26/13 02:47	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		10/25/13 08:00	10/26/13 02:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 02:47	1
Cobalt	0.016	J	0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 02:47	1
Copper	0.020	J	0.025	0.010	mg/L		10/25/13 08:00	10/26/13 02:47	1
Iron	0.24		0.20	0.20	mg/L		10/25/13 08:00	10/26/13 02:47	1
Lead	0.0084		0.0075	0.0050	mg/L		10/25/13 08:00	10/26/13 02:47	1
Manganese	2.3		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 02:47	1
Nickel	0.026		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 02:47	1
Selenium	0.014	J B	0.050	0.010	mg/L		10/25/13 08:00	10/26/13 02:47	1
Silver	<0.025		0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 02:47	1
Zinc	0.15		0.10	0.020	mg/L		10/25/13 08:00	10/26/13 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 04:02	1
Barium	0.026	J	0.50	0.010	mg/L		10/27/13 14:30	10/29/13 04:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/29/13 04:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/13 14:30	10/29/13 04:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:02	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 04:02	1
Copper	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:02	1
Iron	<0.20		0.20	0.20	mg/L		10/27/13 14:30	10/29/13 04:02	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/27/13 14:30	10/29/13 04:02	1
Manganese	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:02	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:02	1
Selenium	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 04:02	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL41-3(0-0.5)-101513
Date Collected: 10/15/13 11:15
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 04:02	1
Zinc	0.021	J	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 04:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2000		9.9	0.91	mg/Kg	☼	10/17/13 09:45	10/19/13 04:03	1
Antimony	<5.0		5.0	2.0	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Arsenic	3.5		2.5	0.49	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Barium	23		2.5	0.27	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Beryllium	0.27	J	0.99	0.088	mg/Kg	☼	10/17/13 09:45	10/24/13 13:17	5
Cadmium	0.45	J	0.50	0.063	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Calcium	160000	B	50	13	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Chromium	14		0.50	0.058	mg/Kg	☼	10/17/13 09:45	10/19/13 04:03	1
Cobalt	2.3		1.2	0.089	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Copper	12		2.5	0.22	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Iron	9500		50	20	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Lead	17	B	1.2	0.37	mg/Kg	☼	10/17/13 09:45	10/24/13 13:17	5
Magnesium	90000	B	25	5.1	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Manganese	410	B	2.5	0.13	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Nickel	7.8		2.5	0.24	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Potassium	890		25	1.5	mg/Kg	☼	10/17/13 09:45	10/19/13 04:03	1
Selenium	<2.5		2.5	0.88	mg/Kg	☼	10/17/13 09:45	10/24/13 13:17	5
Silver	<1.2		1.2	0.090	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Sodium	580		50	6.6	mg/Kg	☼	10/17/13 09:45	10/19/13 04:03	1
Strontium	56	B ^	0.25	0.010	mg/Kg	☼	10/17/13 09:45	10/19/13 04:03	1
Thallium	<2.5		2.5	1.0	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Vanadium	13	B	1.2	0.18	mg/Kg	☼	10/17/13 09:45	10/23/13 18:16	5
Zinc	52	B	5.0	1.0	mg/Kg	☼	10/17/13 09:45	10/24/13 13:17	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/25/13 15:20	10/28/13 17:28	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		10/29/13 12:00	10/29/13 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		16	7.7	ug/Kg	☼	10/18/13 15:00	10/21/13 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.33		0.200	0.200	SU			10/21/13 15:06	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL41-2(0-0.5)-101513
Date Collected: 10/15/13 11:35
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-16
Matrix: Solid
Percent Solids: 95.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.2		5.2	2.3	ug/Kg			10/23/13 16:30	1
Benzene	<5.2		5.2	0.72	ug/Kg			10/23/13 16:30	1
Bromodichloromethane	<5.2		5.2	0.90	ug/Kg			10/23/13 16:30	1
Bromoform	<5.2		5.2	1.2	ug/Kg			10/23/13 16:30	1
Bromomethane	<5.2		5.2	1.6	ug/Kg			10/23/13 16:30	1
Carbon disulfide	<5.2		5.2	0.78	ug/Kg			10/23/13 16:30	1
Carbon tetrachloride	<5.2		5.2	0.95	ug/Kg			10/23/13 16:30	1
Chlorobenzene	<5.2		5.2	0.53	ug/Kg			10/23/13 16:30	1
Chloroethane	<5.2		5.2	1.4	ug/Kg			10/23/13 16:30	1
Chloroform	<5.2		5.2	0.60	ug/Kg			10/23/13 16:30	1
Chloromethane	<5.2		5.2	1.1	ug/Kg			10/23/13 16:30	1
cis-1,2-Dichloroethene	<5.2		5.2	0.74	ug/Kg			10/23/13 16:30	1
cis-1,3-Dichloropropene	<5.2		5.2	0.69	ug/Kg			10/23/13 16:30	1
Dibromochloromethane	<5.2		5.2	0.91	ug/Kg			10/23/13 16:30	1
1,1-Dichloroethane	<5.2		5.2	0.83	ug/Kg			10/23/13 16:30	1
1,2-Dichloroethane	<5.2		5.2	0.78	ug/Kg			10/23/13 16:30	1
1,1-Dichloroethene	<5.2		5.2	0.85	ug/Kg			10/23/13 16:30	1
1,2-Dichloropropane	<5.2		5.2	0.79	ug/Kg			10/23/13 16:30	1
1,3-Dichloropropene, Total	<5.2		5.2	0.69	ug/Kg			10/23/13 16:30	1
Ethylbenzene	<5.2		5.2	1.1	ug/Kg			10/23/13 16:30	1
2-Hexanone	<5.2		5.2	1.5	ug/Kg			10/23/13 16:30	1
Methylene Chloride	<5.2		5.2	1.4	ug/Kg			10/23/13 16:30	1
Methyl Ethyl Ketone	<5.2		5.2	1.9	ug/Kg			10/23/13 16:30	1
methyl isobutyl ketone	<5.2		5.2	1.4	ug/Kg			10/23/13 16:30	1
Methyl tert-butyl ether	<5.2		5.2	0.86	ug/Kg			10/23/13 16:30	1
Styrene	<5.2		5.2	0.69	ug/Kg			10/23/13 16:30	1
1,1,2,2-Tetrachloroethane	<5.2		5.2	1.1	ug/Kg			10/23/13 16:30	1
Tetrachloroethene	<5.2		5.2	0.80	ug/Kg			10/23/13 16:30	1
Toluene	<5.2		5.2	0.73	ug/Kg			10/23/13 16:30	1
trans-1,2-Dichloroethene	<5.2		5.2	0.72	ug/Kg			10/23/13 16:30	1
trans-1,3-Dichloropropene	<5.2		5.2	0.94	ug/Kg			10/23/13 16:30	1
1,1,1-Trichloroethane	<5.2		5.2	0.78	ug/Kg			10/23/13 16:30	1
1,1,2-Trichloroethane	<5.2		5.2	0.71	ug/Kg			10/23/13 16:30	1
Trichloroethene	<5.2		5.2	0.86	ug/Kg			10/23/13 16:30	1
Vinyl chloride	<5.2		5.2	1.1	ug/Kg			10/23/13 16:30	1
Xylenes, Total	<10		10	0.47	ug/Kg			10/23/13 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 122*		*10/23/13 16:30*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*10/23/13 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*		*10/23/13 16:30*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*10/23/13 16:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
1,2-Dichlorobenzene	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
1,3-Dichlorobenzene	<860		860	180	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
1,4-Dichlorobenzene	<860		860	180	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2,2'-oxybis[1-chloropropane]	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 02:37	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL41-2(0-0.5)-101513
Date Collected: 10/15/13 11:35
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-16
Matrix: Solid
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1700		1700	490	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2,4,6-Trichlorophenol	<1700		1700	210	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2,4-Dichlorophenol	<1700		1700	520	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2,4-Dimethylphenol	<1700		1700	540	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2,4-Dinitrophenol	<3500		3500	880	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2,4-Dinitrotoluene	<860		860	260	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2,6-Dinitrotoluene	<860		860	200	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2-Chloronaphthalene	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2-Chlorophenol	<860		860	240	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2-Methylnaphthalene	<860		860	220	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2-Methylphenol	<860		860	230	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2-Nitroaniline	<860		860	310	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
2-Nitrophenol	<1700		1700	270	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
3 & 4 Methylphenol	<860		860	320	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
3,3'-Dichlorobenzidine	<860		860	140	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
3-Nitroaniline	<1700		1700	330	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
4,6-Dinitro-2-methylphenol	<1700		1700	420	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
4-Bromophenyl phenyl ether	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
4-Chloro-3-methylphenol	<1700		1700	820	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
4-Chloroaniline	<3500		3500	520	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
4-Chlorophenyl phenyl ether	<860		860	270	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
4-Nitroaniline	<1700		1700	350	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
4-Nitrophenol	<3500		3500	920	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Acenaphthene	<170		170	51	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Acenaphthylene	<170		170	39	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Anthracene	<170		170	40	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Benzo[a]anthracene	170		170	36	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Benzo[a]pyrene	220		170	31	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Benzo[b]fluoranthene	280		170	33	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Benzo[g,h,i]perylene	330		170	58	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Benzo[k]fluoranthene	100	J	170	41	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Bis(2-chloroethoxy)methane	<860		860	190	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Bis(2-chloroethyl)ether	<860		860	250	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Bis(2-ethylhexyl) phthalate	<860		860	230	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Butyl benzyl phthalate	<860		860	210	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Carbazole	<860		860	240	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Chrysene	370		170	39	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Dibenz(a,h)anthracene	76	J	170	48	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Dibenzofuran	<860		860	210	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Diethyl phthalate	<860		860	290	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Dimethyl phthalate	<860		860	210	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Di-n-butyl phthalate	<860		860	220	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Di-n-octyl phthalate	<860		860	350	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Fluoranthene	220		170	70	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Fluorene	<170		170	39	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Hexachlorobenzene	<350		350	34	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Hexachlorobutadiene	<860		860	220	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Hexachlorocyclopentadiene	<3500		3500	790	ug/Kg		10/18/13 17:30	10/25/13 02:37	5
Hexachloroethane	<860		860	180	ug/Kg		10/18/13 17:30	10/25/13 02:37	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL41-2(0-0.5)-101513
Date Collected: 10/15/13 11:35
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-16
Matrix: Solid
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	160	J	170	58	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
Isophorone	<860		860	190	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
Naphthalene	<170		170	33	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
Nitrobenzene	<170		170	53	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
N-Nitrosodi-n-propylamine	<860		860	220	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
N-Nitrosodiphenylamine	<860		860	230	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
Pentachlorophenol	<3500		3500	870	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
Phenanthrene	120	J	170	72	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
Phenol	<860		860	270	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5
Pyrene	280		170	62	ug/Kg	☼	10/18/13 17:30	10/25/13 02:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*35 - 137*	*10/18/13 17:30*	*10/25/13 02:37*	*5*
2-Fluorobiphenyl	*87*		*25 - 119*	*10/18/13 17:30*	*10/25/13 02:37*	*5*
2-Fluorophenol	*91*		*25 - 110*	*10/18/13 17:30*	*10/25/13 02:37*	*5*
Nitrobenzene-d5	*93*		*25 - 115*	*10/18/13 17:30*	*10/25/13 02:37*	*5*
Phenol-d5	*96*		*31 - 110*	*10/18/13 17:30*	*10/25/13 02:37*	*5*
Terphenyl-d14	*93*		*36 - 134*	*10/18/13 17:30*	*10/25/13 02:37*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/13 08:00	10/26/13 03:00	1
Barium	0.71	B	0.50	0.010	mg/L		10/25/13 08:00	10/26/13 03:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/13 08:00	10/26/13 03:00	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		10/25/13 08:00	10/26/13 03:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:00	1
Cobalt	0.0098	J	0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 03:00	1
Copper	0.022	J	0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:00	1
Iron	<0.20		0.20	0.20	mg/L		10/25/13 08:00	10/26/13 03:00	1
Lead	0.0052	J	0.0075	0.0050	mg/L		10/25/13 08:00	10/26/13 03:00	1
Manganese	2.3		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:00	1
Nickel	0.021	J	0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:00	1
Selenium	0.014	J B	0.050	0.010	mg/L		10/25/13 08:00	10/26/13 20:38	1
Silver	<0.025		0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 03:00	1
Zinc	0.35		0.10	0.020	mg/L		10/25/13 08:00	10/26/13 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 04:26	1
Barium	0.080	J	0.50	0.010	mg/L		10/27/13 14:30	10/29/13 04:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/29/13 04:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/13 14:30	10/29/13 04:26	1
Chromium	0.012	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:26	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 04:26	1
Copper	0.013	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:26	1
Iron	8.0		0.20	0.20	mg/L		10/27/13 14:30	10/29/13 04:26	1
Lead	0.011		0.0075	0.0050	mg/L		10/27/13 14:30	10/29/13 04:26	1
Manganese	0.057		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:26	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:26	1
Selenium	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 04:26	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL41-2(0-0.5)-101513
Date Collected: 10/15/13 11:35
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 04:26	1
Zinc	0.078	J	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 04:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4100		10	0.94	mg/Kg	☼	10/17/13 09:45	10/19/13 04:25	1
Antimony	<5.1		5.1	2.1	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Arsenic	4.5		2.6	0.51	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Barium	35		2.6	0.27	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Beryllium	0.41	J	1.0	0.090	mg/Kg	☼	10/17/13 09:45	10/24/13 13:23	5
Cadmium	0.68		0.51	0.065	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Calcium	140000	B	51	14	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Chromium	16		0.51	0.059	mg/Kg	☼	10/17/13 09:45	10/19/13 04:25	1
Cobalt	4.1		1.3	0.091	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Copper	15		2.6	0.23	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Iron	11000		51	21	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Lead	24	B	1.3	0.38	mg/Kg	☼	10/17/13 09:45	10/24/13 13:23	5
Magnesium	80000	B	26	5.3	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Manganese	450	B	2.6	0.14	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Nickel	11		2.6	0.25	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Potassium	1200		26	1.5	mg/Kg	☼	10/17/13 09:45	10/19/13 04:25	1
Selenium	<2.6		2.6	0.91	mg/Kg	☼	10/17/13 09:45	10/24/13 13:23	5
Silver	<1.3		1.3	0.092	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Sodium	1100		51	6.8	mg/Kg	☼	10/17/13 09:45	10/19/13 04:25	1
Strontium	52	B ^	0.26	0.010	mg/Kg	☼	10/17/13 09:45	10/19/13 04:25	1
Thallium	<2.6		2.6	1.1	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Vanadium	16	B	1.3	0.19	mg/Kg	☼	10/17/13 09:45	10/23/13 18:22	5
Zinc	76	B	5.1	1.0	mg/Kg	☼	10/17/13 09:45	10/24/13 13:23	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/25/13 15:20	10/28/13 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	J	0.20	0.020	ug/L		10/29/13 12:00	10/29/13 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		16	7.6	ug/Kg	☼	10/18/13 15:00	10/21/13 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.46		0.200	0.200	SU			10/22/13 08:40	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the 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.
F	MS/MSD Recovery and/or RPD exceeds the control limits
*	ISTD response or retention time outside acceptable limits

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-64981 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct Ste 500
Address: Vernon Hills, IL 60061
Phone: 847.918.4000
Fax: 847.918.4055
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-64981
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3,7

Client: Weston Solutions Inc. | Client Project #: 021
Project Name: IDOT 021 - New Avenue
Project Location/State: Lemont IL | Lab Project #:
Sampler: M. Doheny-Skubic | Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH					Comments
1		RR-27(0.5-1.5)-101513	10-15-13	0815	2	S	X	X	X	X	X					
2		VL42-10(0.5-1.5)-101513	10-15-13	0845	2	S	X	X	X	X	X					
3		VL42-10(0.5-1.5)-101513D	10-15-13	0845	2	S	X	X	X	X	X					
4		VL42-9(0.5-1.5)-101513	10-15-13	0855	2	S	X	X	X	X	X					
5		VL42-8(0.5-1.5)-101513	10-15-13	0905	2	S	X	X	X	X	X					
6		VL42-7(0.5-1.5)-101513	10-15-13	0915	2	S	X	X	X	X	X					
7		VL42-6(0.5-1.5)-101513	10-15-13	0930	2	S	X	X	X	X	X					
8		VL42-5(0.5-1.5)-101513	10-15-13	0942	2	S	X	X	X	X	X					
9		VL42-4(0.5-1.0)-101513	10-15-13	1000	2	S	X	X	X	X	X					
10		VL42-3(0.5-1.0)-101513	10-15-13	1015	2	S	X	X	X	X	X					

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

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	10-15-13	1525	[signature]	TA	10-15-13	1525
[signature]	TA	10-15-13	1620	[signature]	TA-CHI	10/16/13	0700

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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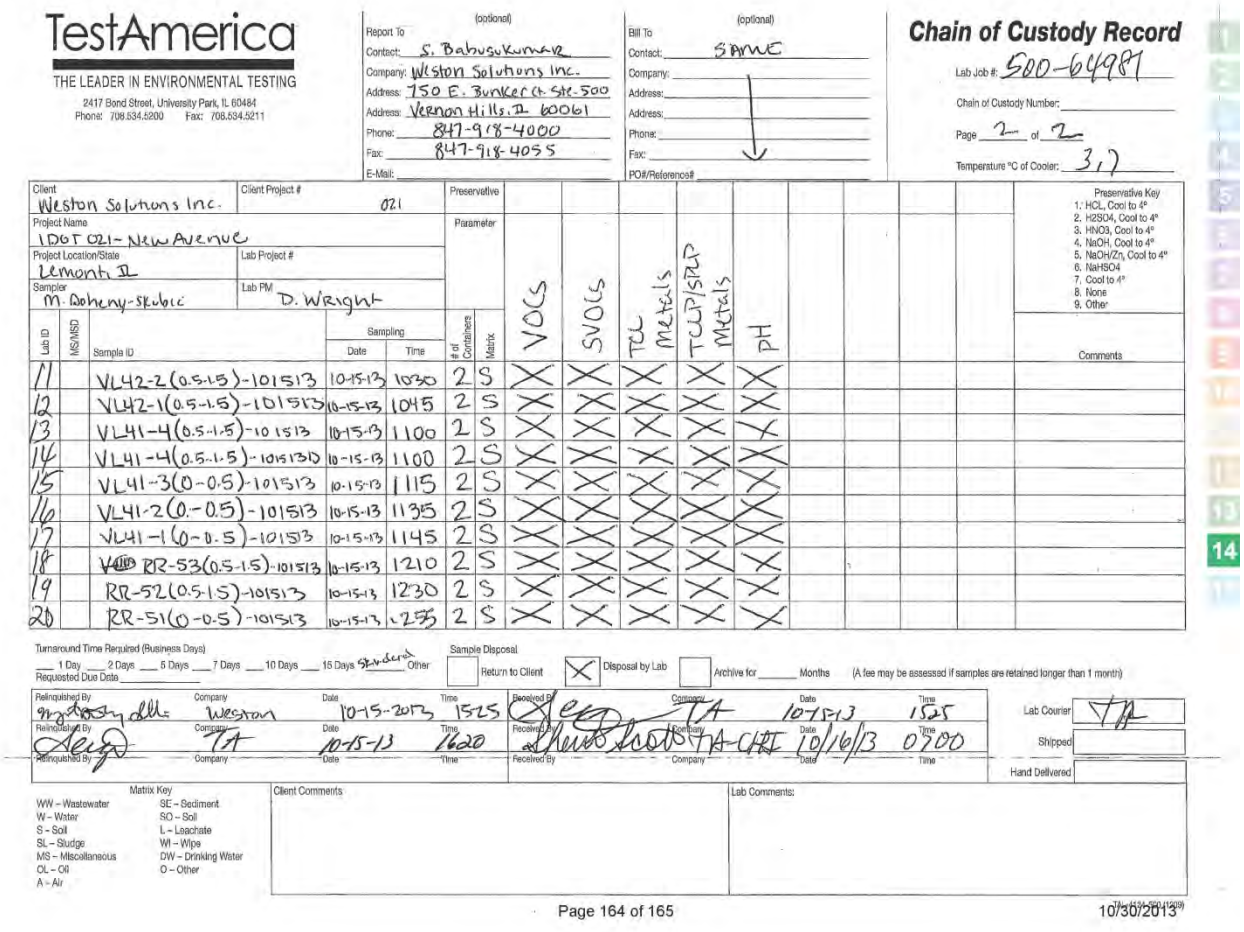
10/30/2013



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-64981
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.7

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E. Bunker Ct. Ste-500
Address: Vernon Hills, IL 60061
Phone: 847-918-4000
Fax: 847-918-4055
E-Mail:

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

Client: Weston Solutions Inc.
Client Project #: 021
Project Name: IDOT 021-New Avenue
Project Location/State: Lemont, IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

Preservative / Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH	Comments
11		VL42-2(0.5-1.5)-101513	10-15-13	1030	2	S	X	X	X	X	X	
12		VL42-1(0.5-1.5)-101513	10-15-13	1045	2	S	X	X	X	X	X	
13		VL41-4(0.5-1.5)-101513	10-15-13	1100	2	S	X	X	X	X	X	
14		VL41-4(0.5-1.5)-101513D	10-15-13	1100	2	S	X	X	X	X	X	
15		VL41-3(0-0.5)-101513	10-15-13	1115	2	S	X	X	X	X	X	
16		VL41-2(0.-0.5)-101513	10-15-13	1135	2	S	X	X	X	X	X	
17		VL41-1(0-0.5)-101513	10-15-13	1145	2	S	X	X	X	X	X	
18		VL41 RR-53(0.5-1.5)-101513	10-15-13	1210	2	S	X	X	X	X	X	
19		RR-52(0.5-1.5)-101513	10-15-13	1230	2	S	X	X	X	X	X	
20		RR-51(0-0.5)-101513	10-15-13	1255	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10-15-2013	1525	[illegible]	TA	10-15-13	1525
[illegible]	TA	10-15-13	1620	[illegible]	TA-CHI	10/16/13	0700
[illegible]	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Page 164 of 165

10/30/2013

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

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

Southwest of 12327 New Avenue

City: Lemont State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.6606563744 (Decimal Degrees) Longitude: -88.0388797086 (-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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.6606563744 Longitude: -88.0388797086

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 VL42-6 AND VL42-12 WERE SAMPLED ADJACENT TO ISGS SITE No. 2518-42. SEE FIGURES 3-8 AND 3-9 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 REPORTS - JOB ID: 500-64981-1 AND 500-65048-1

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:

12/24/13
Date:

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

Affix PE or PG Seal:

Summary Table of ISGS Site No. 2518-42
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	VL42-6(0.5-1.5)-101513	VL42-12(0.5-1.5)-101613	Soil Reference Concentrations[A]
Sample Date	10/15/2013	10/16/2013	
Location ID	VL42-6	VL42-12	
Depth	0.5 - 1.5	0.5 - 1.5	
Parameter			
Laboratory pH (s.u.)	8.72	8.66	<6.25,>9.0
VOCs (ug/kg)			
Acetone	ND	110	25000
Methyl ethyl ketone	ND	19 J+	17000
SVOCs (ug/kg)			
Anthracene	25 J	ND	1.20E+07
Benzo(a)anthracene	270	870 J	900 / 1100 / 1800
Benzo(a)pyrene	250	1000 J	90 / 1300 / 2100
Benzo(b)fluoranthene	310	1400 J+	900 / 1500 / 2100
Benzo(g,h,i)perylene	380	1000 J	2300000
Benzo(k)fluoranthene	100	500 J	9000
bis(2-Ethylhexyl)phthalate	63 J	ND	46000
Chrysene	710	1300 J	88000
Dibenzo(a,h)anthracene	100	ND	90 / 200 / 420
Fluoranthene	200	2000	3100000
Indeno(1,2,3-cd)pyrene	130	680 J	900 / 900 / 1600
Naphthalene, SVOC	21 J	ND	1800
Phenanthrene	240	1200 J	210000
Pyrene	370	1800	2300000
Total Metals (mg/kg)			
Aluminum, Total	1600	3300 B	9200 / 9500
Arsenic, Total	2 J	7.3	11.3 / 13
Barium, Total	20	84	1500
Beryllium, Total	0.25 J	0.59 J	22
Cadmium, Total	0.54	1.8	5.2
Calcium, Total	190000 B	170000 B	—
Chromium, Total	11	140	21
Cobalt, Total	1.5	3.3	20
Copper, Total	13	68	2900
Iron, Total	8200	28000	15000 / 15900
Lead, Total	29 B	57	107
Magnesium, Total	110000 B	95000 B	325000
Manganese, Total	370 B	2600 B	630 / 636
Mercury, Total	0.089	0.059	0.89
Nickel, Total	4.9	17	100
Potassium, Total	840	700	—
Selenium, Total	ND	2.3 J	1.3
Sodium, Total	520	430	—
Strontium, Total	57 J	66 J	84
Vanadium, Total	8.3 B	53	550
Zinc, Total	54 B	160 B	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.27 J	1.2 B	2
Cadmium, TCLP	0.0029 J	0.0077	0.005
Cobalt, TCLP	0.0087 J	0.0097 J	1
Copper, TCLP	0.14	0.02 J	0.65
Lead, TCLP	0.011	0.013	0.0075
Manganese, TCLP	1.9	22	0.15
Nickel, TCLP	0.017 J	0.051	0.1
Zinc, TCLP	0.19	0.99	5
SPLP Metals (mg/l)			
Barium, SPLP	0.15 J	1.1 B	2
Iron, SPLP	1.5	0.23	5
Lead, SPLP	0.0057 J	ND	0.0075
Manganese, SPLP	0.015 J	0.044	0.15
Mercury, SPLP	0.00014 J	ND	0.002
Zinc, SPLP	0.096 J	0.96 B	5

Summary Table of ISGS Site No. 2518-42
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Notes:

— - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

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: 500-64981-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2013 11:53:11 AM

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

LINKS

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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.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL42-6(0.5-1.5)-101513
Date Collected: 10/15/13 09:30
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-7
Matrix: Solid
Percent Solids: 93.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.3	ug/Kg			10/23/13 12:29	1
Benzene	<5.4		5.4	0.74	ug/Kg			10/23/13 12:29	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg			10/23/13 12:29	1
Bromoform	<5.4		5.4	1.2	ug/Kg			10/23/13 12:29	1
Bromomethane	<5.4		5.4	1.6	ug/Kg			10/23/13 12:29	1
Carbon disulfide	<5.4		5.4	0.80	ug/Kg			10/23/13 12:29	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg			10/23/13 12:29	1
Chlorobenzene	<5.4		5.4	0.54	ug/Kg			10/23/13 12:29	1
Chloroethane	<5.4		5.4	1.5	ug/Kg			10/23/13 12:29	1
Chloroform	<5.4		5.4	0.62	ug/Kg			10/23/13 12:29	1
Chloromethane	<5.4		5.4	1.1	ug/Kg			10/23/13 12:29	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg			10/23/13 12:29	1
cis-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg			10/23/13 12:29	1
Dibromochloromethane	<5.4		5.4	0.93	ug/Kg			10/23/13 12:29	1
1,1-Dichloroethane	<5.4		5.4	0.85	ug/Kg			10/23/13 12:29	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg			10/23/13 12:29	1
1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg			10/23/13 12:29	1
1,2-Dichloropropane	<5.4		5.4	0.82	ug/Kg			10/23/13 12:29	1
1,3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg			10/23/13 12:29	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg			10/23/13 12:29	1
2-Hexanone	<5.4		5.4	1.5	ug/Kg			10/23/13 12:29	1
Methylene Chloride	<5.4		5.4	1.4	ug/Kg			10/23/13 12:29	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg			10/23/13 12:29	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg			10/23/13 12:29	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg			10/23/13 12:29	1
Styrene	<5.4		5.4	0.70	ug/Kg			10/23/13 12:29	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg			10/23/13 12:29	1
Tetrachloroethene	<5.4		5.4	0.82	ug/Kg			10/23/13 12:29	1
Toluene	<5.4		5.4	0.75	ug/Kg			10/23/13 12:29	1
trans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg			10/23/13 12:29	1
trans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg			10/23/13 12:29	1
1,1,1-Trichloroethane	<5.4		5.4	0.80	ug/Kg			10/23/13 12:29	1
1,1,2-Trichloroethane	<5.4		5.4	0.73	ug/Kg			10/23/13 12:29	1
Trichloroethene	<5.4		5.4	0.89	ug/Kg			10/23/13 12:29	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg			10/23/13 12:29	1
Xylenes, Total	<11		11	0.49	ug/Kg			10/23/13 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*		*10/23/13 12:29*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/23/13 12:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 134*		*10/23/13 12:29*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*10/23/13 12:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	39	ug/Kg		10/18/13 17:30	10/24/13 23:26	1
1,2-Dichlorobenzene	<170		170	37	ug/Kg		10/18/13 17:30	10/24/13 23:26	1
1,3-Dichlorobenzene	<170		170	36	ug/Kg		10/18/13 17:30	10/24/13 23:26	1
1,4-Dichlorobenzene	<170		170	36	ug/Kg		10/18/13 17:30	10/24/13 23:26	1
2,2'-oxybis[1-chloropropane]	<170		170	37	ug/Kg		10/18/13 17:30	10/24/13 23:26	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL42-6(0.5-1.5)-101513
Date Collected: 10/15/13 09:30
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-7
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	97	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2,4,6-Trichlorophenol	<340		340	42	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2,4-Dichlorophenol	<340		340	100	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2,4-Dimethylphenol	<340		340	110	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2,4-Dinitrophenol	<680		680	170	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2,4-Dinitrotoluene	<170		170	52	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2,6-Dinitrotoluene	<170		170	40	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2-Chlorophenol	<170		170	48	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2-Methylnaphthalene	<170		170	44	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2-Methylphenol	<170		170	45	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2-Nitroaniline	<170		170	61	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
2-Nitrophenol	<340		340	53	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
3 & 4 Methylphenol	<170		170	64	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
3,3'-Dichlorobenzidine	<170		170	28	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
3-Nitroaniline	<340		340	65	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
4,6-Dinitro-2-methylphenol	<340		340	82	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
4-Bromophenyl phenyl ether	<170		170	38	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
4-Chloro-3-methylphenol	<340		340	160	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
4-Chloroaniline	<680		680	100	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
4-Chlorophenyl phenyl ether	<170		170	53	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
4-Nitroaniline	<340		340	69	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
4-Nitrophenol	<680		680	180	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Acenaphthene	<34		34	10	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Acenaphthylene	<34		34	7.8	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Anthracene	25	J	34	8.0	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Benzo[a]anthracene	270		34	7.1	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Benzo[a]pyrene	250		34	6.2	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Benzo[b]fluoranthene	310		34	6.6	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Benzo[g,h,i]perylene	380		34	11	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Benzo[k]fluoranthene	100		34	8.1	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Bis(2-chloroethoxy)methane	<170		170	37	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Bis(2-chloroethyl)ether	<170		170	50	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Bis(2-ethylhexyl) phthalate	63	J	170	45	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Butyl benzyl phthalate	<170		170	42	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Carbazole	<170		170	48	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Chrysene	710		34	7.6	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Dibenz(a,h)anthracene	100		34	9.4	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Dibenzofuran	<170		170	41	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Diethyl phthalate	<170		170	56	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Dimethyl phthalate	<170		170	42	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Di-n-butyl phthalate	<170		170	43	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Di-n-octyl phthalate	<170		170	69	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Fluoranthene	200		34	14	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Fluorene	<34		34	7.7	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Hexachlorobenzene	<68		68	6.7	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Hexachlorobutadiene	<170		170	44	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Hexachlorocyclopentadiene	<680		680	160	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Hexachloroethane	<170		170	36	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL42-6(0.5-1.5)-101513
Date Collected: 10/15/13 09:30
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-7
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	130		34	11	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Isophorone	<170		170	38	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Naphthalene	21	J	34	6.5	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Nitrobenzene	<34		34	10	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
N-Nitrosodi-n-propylamine	<170		170	43	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
N-Nitrosodiphenylamine	<170		170	46	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Pentachlorophenol	<680		680	170	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Phenanthrene	240		34	14	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Phenol	<170		170	54	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1
Pyrene	370		34	12	ug/Kg	☼	10/18/13 17:30	10/24/13 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*10/18/13 17:30*	*10/24/13 23:26*	*1*
2-Fluorobiphenyl	*71*		*25 - 119*	*10/18/13 17:30*	*10/24/13 23:26*	*1*
2-Fluorophenol	*69*		*25 - 110*	*10/18/13 17:30*	*10/24/13 23:26*	*1*
Nitrobenzene-d5	*78*		*25 - 115*	*10/18/13 17:30*	*10/24/13 23:26*	*1*
Phenol-d5	*76*		*31 - 110*	*10/18/13 17:30*	*10/24/13 23:26*	*1*
Terphenyl-d14	*76*		*36 - 134*	*10/18/13 17:30*	*10/24/13 23:26*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/13 08:00	10/26/13 02:06	1
Barium	0.27	J B	0.50	0.010	mg/L		10/25/13 08:00	10/26/13 02:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/13 08:00	10/26/13 02:06	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		10/25/13 08:00	10/26/13 02:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 02:06	1
Cobalt	0.0087	J	0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 02:06	1
Copper	0.14		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 02:06	1
Iron	<0.20		0.20	0.20	mg/L		10/25/13 08:00	10/26/13 02:06	1
Lead	0.011		0.0075	0.0050	mg/L		10/25/13 08:00	10/26/13 02:06	1
Manganese	1.9		0.025	0.010	mg/L		10/25/13 08:00	10/26/13 02:06	1
Nickel	0.017	J	0.025	0.010	mg/L		10/25/13 08:00	10/26/13 02:06	1
Selenium	<0.050		0.050	0.010	mg/L		10/25/13 08:00	10/26/13 02:06	1
Silver	<0.025		0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 02:06	1
Zinc	0.19		0.10	0.020	mg/L		10/25/13 08:00	10/26/13 02:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 03:29	1
Barium	0.15	J	0.50	0.010	mg/L		10/27/13 14:30	10/29/13 03:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/13 14:30	10/29/13 03:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/13 14:30	10/29/13 03:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 03:29	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 03:29	1
Copper	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 03:29	1
Iron	1.5		0.20	0.20	mg/L		10/27/13 14:30	10/29/13 03:29	1
Lead	0.0057	J	0.0075	0.0050	mg/L		10/27/13 14:30	10/29/13 03:29	1
Manganese	0.015	J	0.025	0.010	mg/L		10/27/13 14:30	10/29/13 03:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/13 14:30	10/29/13 03:29	1
Selenium	<0.050		0.050	0.010	mg/L		10/27/13 14:30	10/29/13 03:29	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Client Sample ID: VL42-6(0.5-1.5)-101513
Date Collected: 10/15/13 09:30
Date Received: 10/16/13 07:00

Lab Sample ID: 500-64981-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 03:29	1
Zinc	0.096	J	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 03:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1600		11	0.98	mg/Kg	☼	10/17/13 09:45	10/19/13 03:12	1
Antimony	<5.4		5.4	2.2	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Arsenic	2.0	J	2.7	0.53	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Barium	20		2.7	0.29	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Beryllium	0.25	J	1.1	0.094	mg/Kg	☼	10/17/13 09:45	10/24/13 13:05	5
Cadmium	0.54		0.54	0.068	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Calcium	190000	B	54	15	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Chromium	11		0.54	0.062	mg/Kg	☼	10/17/13 09:45	10/19/13 03:12	1
Cobalt	1.5		1.3	0.096	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Copper	13		2.7	0.24	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Iron	8200		54	22	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Lead	29	B	1.3	0.40	mg/Kg	☼	10/17/13 09:45	10/24/13 13:05	5
Magnesium	110000	B	27	5.5	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Manganese	370	B	2.7	0.15	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Nickel	4.9		0.54	0.052	mg/Kg	☼	10/17/13 09:45	10/19/13 03:12	1
Potassium	840		27	1.6	mg/Kg	☼	10/17/13 09:45	10/19/13 03:12	1
Selenium	<2.7		2.7	0.95	mg/Kg	☼	10/17/13 09:45	10/24/13 13:05	5
Silver	<1.3		1.3	0.097	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Sodium	520		54	7.2	mg/Kg	☼	10/17/13 09:45	10/19/13 03:12	1
Strontium	57	B ^	0.27	0.011	mg/Kg	☼	10/17/13 09:45	10/19/13 03:12	1
Thallium	<2.7		2.7	1.1	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Vanadium	8.3	B	1.3	0.20	mg/Kg	☼	10/17/13 09:45	10/23/13 17:11	5
Zinc	54	B	5.4	1.1	mg/Kg	☼	10/17/13 09:45	10/24/13 13:05	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/25/13 15:20	10/28/13 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14	J	0.20	0.020	ug/L		10/29/13 12:00	10/29/13 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	89		17	8.0	ug/Kg	☼	10/18/13 15:00	10/21/13 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.72		0.200	0.200	SU			10/21/13 14:02	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the 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.
F	MS/MSD Recovery and/or RPD exceeds the control limits
*	ISTD response or retention time outside acceptable limits

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-64981-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-64981 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct Ste 500
Address: Vernon Hills, IL 60061
Phone: 847.918.4000
Fax: 847.918.4055
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-64981
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.7

Client: Weston Solutions Inc.
Client Project #: 021
Project Name: IDOT 021 - New Avenue
Project Location/State: Lemont IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH					Comments
1		RR-27(0.5-1.5)-101513	10-15-13	0815	2	S	X	X	X	X	X					
2		VL42-10(0.5-1.5)-101513	10-15-13	0845	2	S	X	X	X	X	X					
3		VL42-10(0.5-1.5)-101513D	10-15-13	0845	2	S	X	X	X	X	X					
4		VL42-9(0.5-1.5)-101513	10-15-13	0855	2	S	X	X	X	X	X					
5		VL42-8(0.5-1.5)-101513	10-15-13	0905	2	S	X	X	X	X	X					
6		VL42-7(0.5-1.5)-101513	10-15-13	0915	2	S	X	X	X	X	X					
7		VL42-6(0.5-1.5)-101513	10-15-13	0930	2	S	X	X	X	X	X					
8		VL42-5(0.5-1.5)-101513	10-15-13	0942	2	S	X	X	X	X	X					
9		VL42-4(0.5-1.0)-101513	10-15-13	1000	2	S	X	X	X	X	X					
10		VL42-3(0.5-1.0)-101513	10-15-13	1015	2	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	10-15-13	1525	[signature]	TA	10-15-13	1525
[signature]	TA	10-15-13	1620	[signature]	TA-CHI	10/16/13	0700

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

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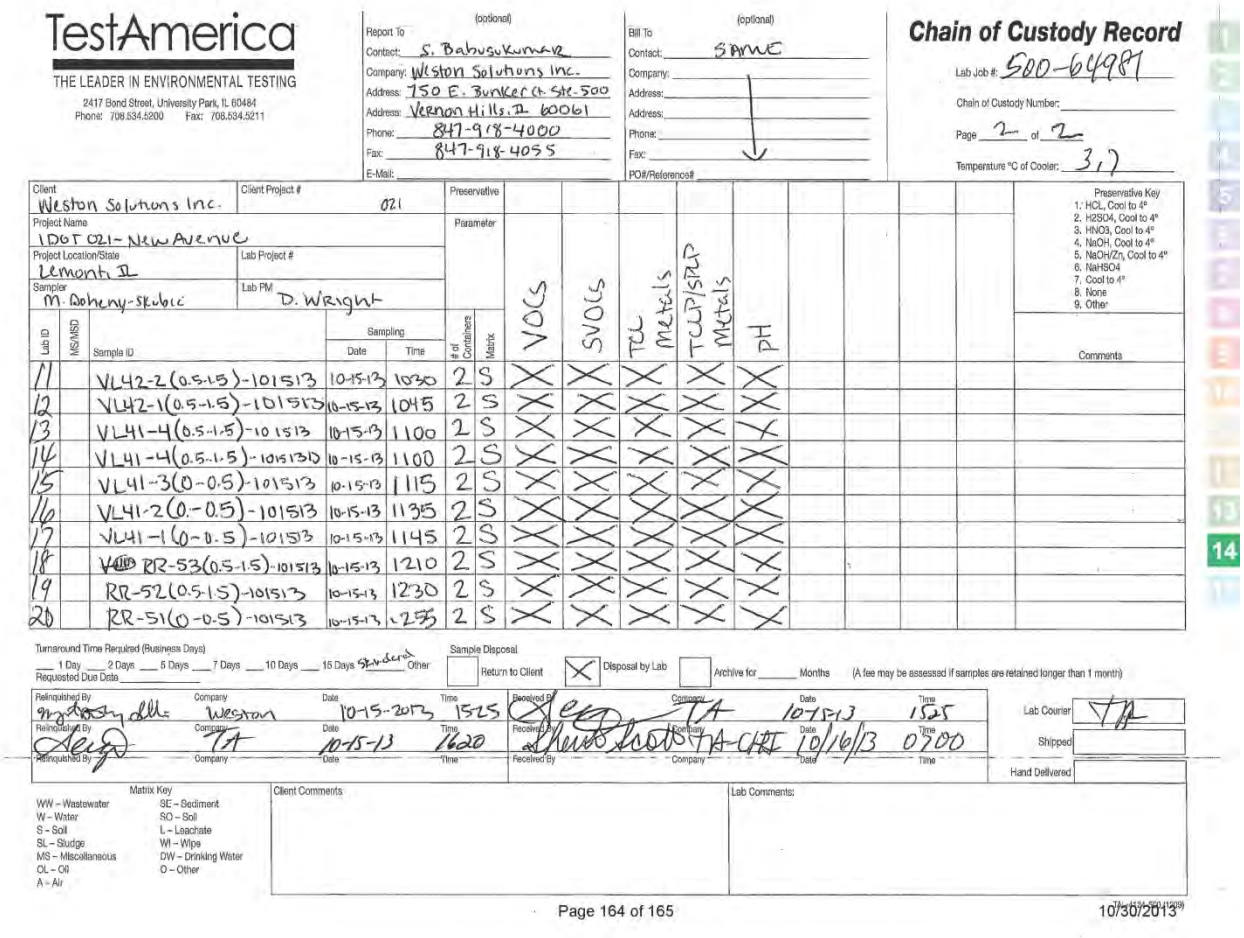
10/30/2013



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
Address: Vernon Hills, IL 60061
Phone: 847-918-4000
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record
Lab Job #: 500-64981
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 3.7

Client: Weston Solutions Inc.
Client Project #: 021
Project Name: IDOT 021-New Avenue
Project Location/State: Lemont, IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

Preservative / Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	pH	Comments
11		VL42-2(0.5-1.5)-101513	10-15-13	1030	2	S	X	X	X	X	X	
12		VL42-1(0.5-1.5)-101513	10-15-13	1045	2	S	X	X	X	X	X	
13		VL41-4(0.5-1.5)-101513	10-15-13	1100	2	S	X	X	X	X	X	
14		VL41-4(0.5-1.5)-101513D	10-15-13	1100	2	S	X	X	X	X	X	
15		VL41-3(0-0.5)-101513	10-15-13	1115	2	S	X	X	X	X	X	
16		VL41-2(0.-0.5)-101513	10-15-13	1135	2	S	X	X	X	X	X	
17		VL41-1(0-0.5)-101513	10-15-13	1145	2	S	X	X	X	X	X	
18		VOID RR-53(0.5-1.5)-101513	10-15-13	1210	2	S	X	X	X	X	X	
19		RR-52(0.5-1.5)-101513	10-15-13	1230	2	S	X	X	X	X	X	
20		RR-51(0-0.5)-101513	10-15-13	1255	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10-15-2013	1525	[signature]	TA	10-15-13	1525
[signature]	TA	10-15-13	1620	[signature]	TA-CHI	10/16/13	0700
[signature]	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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10/30/2013

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: 500-65048-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2013 3:49:13 PM

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: VL42-12(0.5-1.5)-101613
Date Collected: 10/16/13 11:40
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-19
Matrix: Solid
Percent Solids: 88.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	110		5.6	2.4	ug/Kg			10/23/13 16:51	1
Benzene	<5.6		5.6	0.77	ug/Kg			10/23/13 16:51	1
Bromodichloromethane	<5.6		5.6	0.97	ug/Kg			10/23/13 16:51	1
Bromoform	<5.6		5.6	1.3	ug/Kg			10/23/13 16:51	1
Bromomethane	<5.6		5.6	1.7	ug/Kg			10/23/13 16:51	1
Carbon disulfide	<5.6		5.6	0.84	ug/Kg			10/23/13 16:51	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg			10/23/13 16:51	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg			10/23/13 16:51	1
Chloroethane	<5.6		5.6	1.5	ug/Kg			10/23/13 16:51	1
Chloroform	<5.6		5.6	0.65	ug/Kg			10/23/13 16:51	1
Chloromethane	<5.6	*	5.6	1.2	ug/Kg			10/23/13 16:51	1
cis-1,2-Dichloroethene	<5.6		5.6	0.80	ug/Kg			10/23/13 16:51	1
cis-1,3-Dichloropropene	<5.6		5.6	0.74	ug/Kg			10/23/13 16:51	1
Dibromochloromethane	<5.6		5.6	0.98	ug/Kg			10/23/13 16:51	1
1,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg			10/23/13 16:51	1
1,2-Dichloroethane	<5.6		5.6	0.84	ug/Kg			10/23/13 16:51	1
1,1-Dichloroethene	<5.6		5.6	0.91	ug/Kg			10/23/13 16:51	1
1,2-Dichloropropane	<5.6		5.6	0.86	ug/Kg			10/23/13 16:51	1
1,3-Dichloropropene, Total	<5.6		5.6	0.74	ug/Kg			10/23/13 16:51	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg			10/23/13 16:51	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg			10/23/13 16:51	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg			10/23/13 16:51	1
Methyl Ethyl Ketone	19	*	5.6	2.0	ug/Kg			10/23/13 16:51	1
methyl isobutyl ketone	<5.6	*	5.6	1.5	ug/Kg			10/23/13 16:51	1
Methyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg			10/23/13 16:51	1
Styrene	<5.6		5.6	0.74	ug/Kg			10/23/13 16:51	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg			10/23/13 16:51	1
Tetrachloroethene	<5.6		5.6	0.86	ug/Kg			10/23/13 16:51	1
Toluene	<5.6		5.6	0.79	ug/Kg			10/23/13 16:51	1
trans-1,2-Dichloroethene	<5.6		5.6	0.78	ug/Kg			10/23/13 16:51	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg			10/23/13 16:51	1
1,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg			10/23/13 16:51	1
1,1,2-Trichloroethane	<5.6		5.6	0.77	ug/Kg			10/23/13 16:51	1
Trichloroethene	<5.6		5.6	0.93	ug/Kg			10/23/13 16:51	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg			10/23/13 16:51	1
Xylenes, Total	<11		11	0.51	ug/Kg			10/23/13 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*10/23/13 16:51*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/23/13 16:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*10/23/13 16:51*	*1*
Toluene-d8 (Surr)	*103*		*75 - 122*		*10/23/13 16:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<7100		7100	1600	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
1,2-Dichlorobenzene	<7100		7100	1500	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
1,3-Dichlorobenzene	<7100		7100	1500	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
1,4-Dichlorobenzene	<7100		7100	1500	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2,2'-oxybis[1-chloropropane]	<7100		7100	1600	ug/Kg		10/22/13 07:33	10/25/13 18:43	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: VL42-12(0.5-1.5)-101613
Date Collected: 10/16/13 11:40
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-19
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<14000		14000	4000	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2,4,6-Trichlorophenol	<14000		14000	1800	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2,4-Dichlorophenol	<14000		14000	4300	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2,4-Dimethylphenol	<14000		14000	4400	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2,4-Dinitrophenol	<28000		28000	7200	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2,4-Dinitrotoluene	<7100		7100	2200	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2,6-Dinitrotoluene	<7100		7100	1700	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2-Chloronaphthalene	<7100		7100	1600	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2-Chlorophenol	<7100		7100	2000	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2-Methylnaphthalene	<7100		7100	1800	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2-Methylphenol	<7100		7100	1900	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2-Nitroaniline	<7100		7100	2500	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
2-Nitrophenol	<14000		14000	2200	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
3 & 4 Methylphenol	<7100		7100	2700	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
3,3'-Dichlorobenzidine	<7100		7100	1200	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
3-Nitroaniline	<14000		14000	2700	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
4,6-Dinitro-2-methylphenol	<14000		14000	3400	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
4-Bromophenyl phenyl ether	<7100		7100	1600	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
4-Chloro-3-methylphenol	<14000		14000	6800	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
4-Chloroaniline	<28000		28000	4300	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
4-Chlorophenyl phenyl ether	<7100		7100	2200	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
4-Nitroaniline	<14000		14000	2900	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
4-Nitrophenol	<28000		28000	7600	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Acenaphthene	<1400		1400	420	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Acenaphthylene	<1400		1400	320	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Anthracene	<1400		1400	330	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Benzo[a]anthracene	870	J	1400	300	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Benzo[a]pyrene	1000	J *	1400	260	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Benzo[b]fluoranthene	1400	*	1400	270	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Benzo[g,h,i]perylene	1000	J	1400	480	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Benzo[k]fluoranthene	500	J	1400	340	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Bis(2-chloroethoxy)methane	<7100		7100	1600	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Bis(2-chloroethyl)ether	<7100		7100	2100	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Bis(2-ethylhexyl) phthalate	<7100		7100	1900	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Butyl benzyl phthalate	<7100		7100	1800	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Carbazole	<7100		7100	2000	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Chrysene	1300	J	1400	320	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Dibenz(a,h)anthracene	<1400		1400	390	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Dibenzofuran	<7100		7100	1700	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Diethyl phthalate	<7100		7100	2400	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Dimethyl phthalate	<7100		7100	1800	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Di-n-butyl phthalate	<7100		7100	1800	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Di-n-octyl phthalate	<7100		7100	2900	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Fluoranthene	2000		1400	580	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Fluorene	<1400		1400	320	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Hexachlorobenzene	<2800		2800	280	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Hexachlorobutadiene	<7100		7100	1800	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Hexachlorocyclopentadiene	<28000		28000	6500	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
Hexachloroethane	<7100		7100	1500	ug/Kg		10/22/13 07:33	10/25/13 18:43	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: VL42-12(0.5-1.5)-101613
Date Collected: 10/16/13 11:40
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-19
Matrix: Solid
Percent Solids: 88.7

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	680	J	1400	480	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
Isophorone	<7100		7100	1600	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
Naphthalene	<1400		1400	270	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
Nitrobenzene	<1400		1400	440	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
N-Nitrosodi-n-propylamine	<7100		7100	1800	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
N-Nitrosodiphenylamine	<7100		7100	1900	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
Pentachlorophenol	<28000		28000	7200	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
Phenanthrene	1200	J	1400	590	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
Phenol	<7100		7100	2200	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10
Pyrene	1800		1400	510	ug/Kg	☼	10/22/13 07:33	10/25/13 18:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*35 - 137*	*10/22/13 07:33*	*10/25/13 18:43*	*10*
2-Fluorobiphenyl	*106*		*25 - 119*	*10/22/13 07:33*	*10/25/13 18:43*	*10*
2-Fluorophenol	*109*		*25 - 110*	*10/22/13 07:33*	*10/25/13 18:43*	*10*
Nitrobenzene-d5	*106*		*25 - 115*	*10/22/13 07:33*	*10/25/13 18:43*	*10*
Phenol-d5	*102*		*31 - 110*	*10/22/13 07:33*	*10/25/13 18:43*	*10*
Terphenyl-d14	*145*	*X*	*36 - 134*	*10/22/13 07:33*	*10/25/13 18:43*	*10*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	1
Barium	1.2	B	0.50	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/29/13 06:07	1
Cadmium	0.0077		0.0050	0.0020	mg/L		10/28/13 08:30	10/29/13 06:07	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	1
Cobalt	0.0097	J	0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 06:07	1
Copper	0.020	J	0.025	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	1
Iron	<0.20		0.20	0.20	mg/L		10/28/13 08:30	10/29/13 06:07	1
Lead	0.013		0.0075	0.0050	mg/L		10/28/13 08:30	10/29/13 06:07	1
Manganese	22		0.25	0.10	mg/L		10/28/13 08:30	10/30/13 07:15	10
Nickel	0.051		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	1
Selenium	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	1
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 06:07	1
Zinc	0.99		0.10	0.020	mg/L		10/28/13 08:30	10/29/13 06:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 09:32	1
Barium	1.1	B	0.50	0.010	mg/L		10/28/13 08:30	10/29/13 09:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/29/13 09:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/13 08:30	10/29/13 09:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 09:32	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 09:32	1
Copper	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 09:32	1
Iron	0.23		0.20	0.20	mg/L		10/28/13 08:30	10/29/13 09:32	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/28/13 08:30	10/29/13 09:32	1
Manganese	0.044		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 09:32	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 09:32	1
Selenium	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 09:32	1

Client Sample Results

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Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: VL42-12(0.5-1.5)-101613
Date Collected: 10/16/13 11:40
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 09:32	1
Zinc	0.96	B	0.10	0.020	mg/L		10/28/13 08:30	10/29/13 09:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3300	B	11	1.0	mg/Kg	☼	10/17/13 16:00	10/23/13 00:48	1
Antimony	<5.5		5.5	2.2	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Arsenic	7.3		2.8	0.55	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Barium	84		2.8	0.30	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Beryllium	0.59	J	1.1	0.098	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Cadmium	1.8		0.55	0.070	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Calcium	170000	B	55	15	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Chromium	140		0.55	0.064	mg/Kg	☼	10/17/13 16:00	10/23/13 00:48	1
Cobalt	3.3		1.4	0.099	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Copper	68		2.8	0.25	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Iron	28000		55	23	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Lead	57		1.4	0.41	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Magnesium	95000	B	28	5.7	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Manganese	2600	B	2.8	0.15	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Nickel	17		0.55	0.054	mg/Kg	☼	10/17/13 16:00	10/23/13 00:48	1
Potassium	700		28	1.7	mg/Kg	☼	10/17/13 16:00	10/23/13 00:48	1
Selenium	2.3	J	2.8	0.98	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Silver	0.39	J	1.4	0.10	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Sodium	430		55	7.4	mg/Kg	☼	10/17/13 16:00	10/23/13 00:48	1
Strontium	66	B ^	0.28	0.011	mg/Kg	☼	10/17/13 16:00	10/23/13 00:48	1
Thallium	<2.8		2.8	1.2	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Vanadium	53		1.4	0.21	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5
Zinc	160	B	5.5	1.1	mg/Kg	☼	10/17/13 16:00	10/24/13 06:58	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/29/13 15:00	10/30/13 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051	J B	0.20	0.020	ug/L		10/29/13 15:00	10/30/13 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	59		18	8.2	ug/Kg	☼	10/22/13 15:15	10/23/13 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.66		0.200	0.200	SU			10/22/13 15:55	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
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
F	MS/MSD Recovery and/or RPD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
X	Surrogate is outside control limits
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
*	ISTD response or retention time outside acceptable limits

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
a	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 - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL T
2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-65048 COC

(optional)
Report To
Contact: S. Bahus/Kumere
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4000
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record
Lab Job #: 500-65048
Chain of Custody Number:
Page 1 of
Temperature °C of Cooler: 3.6

Client: Weston Solutions Inc
Client Project #:
Project Name: IDOT 021 - New Avenue
Project Location/State: Lemont IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TAL/STARS Metals	pH					Comments
1		WW-1 (0.5-1.5)-101613	10-16-13	0805	2	S	X	X	X	X	X					
2		WW-2 (0.5-1.5)-101613	10-16-13	0815	2	S	X	X	X	X	X					
3		WW-3 (0.5-1.5)-101613	10-16-13	0830	2	S	X	X	X	X	X					
4		RM-1 (0.5-1.5)-101613	10-16-13	0845	2	S	X	X	X	X	X					
5		RM-1 (0.5-1.5)-101613D	10-16-13	0845	2	S	X	X	X	X	X					
6		MF-1 (0.5-1.5)-101613	10-16-13	0900	2	S	X	X	X	X	X					
7		RL-1 (0.5-1.5)-101613	10-16-13	0915	2	S	X	X	X	X	X					
8		RL-2 (0.5-1.5)-101613	10-16-13	0925	2	S	X	X	X	X	X					
9		RL-3 (0.5-1.5)-101613	10-16-13	0940	2	S	X	X	X	X	X					
10		RL-4 (0.5-1.5)-101613	10-16-13	0950	2	S	X	X	X	X	X					

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

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

	Company	Date	Time
Relinquished By: Matthew Doheny	Weston	10-16-13	1223
Relinquished By:	TA	10-16-13	1310
Relinquished By:	Company	Date	Time

	Company	Date	Time
Received By:	TA	10/16/13	1223
Received By:	TA	10/16/13	1310
Received By:	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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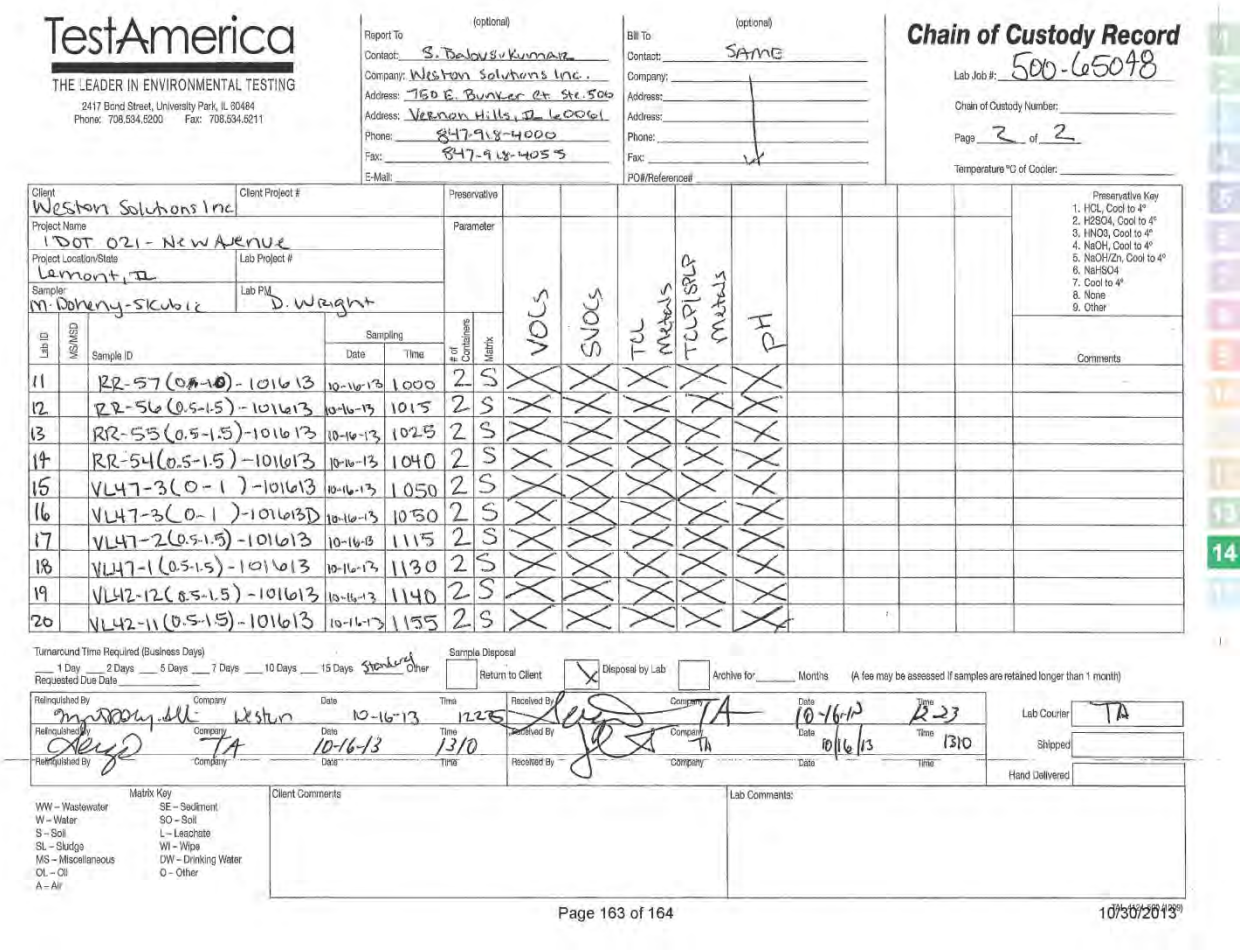

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E. Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4000
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record
Lab Job #: 500-65048
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston Solutions Inc
Client Project #:
Project Name: IDOT 021 - New Avenue
Project Location/State: Lamont, IL
Lab Project #:
Sampler: M. Doherty-Skubic
Lab PM: D. Wright

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	PH	Comments
11		RR-57 (0.5-1.0) - 101613	10-16-13	1000	2	S	X	X	X	X	X	
12		RR-56 (0.5-1.5) - 101613	10-16-13	1015	2	S	X	X	X	X	X	
13		RR-55 (0.5-1.5) - 101613	10-16-13	1025	2	S	X	X	X	X	X	
14		RR-54 (0.5-1.5) - 101613	10-16-13	1040	2	S	X	X	X	X	X	
15		VL47-3 (0-1) - 101613	10-16-13	1050	2	S	X	X	X	X	X	
16		VL47-3 (0-1) - 101613D	10-16-13	1050	2	S	X	X	X	X	X	
17		VL47-2 (0.5-1.5) - 101613	10-16-13	1115	2	S	X	X	X	X	X	
18		VL47-1 (0.5-1.5) - 101613	10-16-13	1130	2	S	X	X	X	X	X	
19		VL42-12 (0.5-1.5) - 101613	10-16-13	1140	2	S	X	X	X	X	X	
20		VL42-11 (0.5-1.5) - 101613	10-16-13	1155	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10-16-13	1225	[illegible]	TA	10-16-13	1225
[illegible]	TA	10-16-13	1310	[illegible]	TA	10/16/13	1310
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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10/30/2013

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: New Avenue from Cook-Will County Line to IL 171 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
12305 New Avenue

City: Lemont State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.663263429 (Decimal Degrees) Longitude: -88.032987278 (-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.

IL 532-2922
LPC 663 Rev. 8/2012

Project Name: New Avenue from Cook-Will County Line to IL 171

Latitude: 41.663263429 Longitude: -88.032987278

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 RM-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2518-48. SEE FIGURE 3-9 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: 500-65048-1

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:

12/24/13
Date:

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

Seal:

Summary Table of ISGS Site No. 2518-48
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 361: New Avenue from Cook-Will County Line to Illinois Route 171
Lemont/Romeoville/Lockport, Will County, Illinois

Field Sample ID	RM-1(0.5-1.5)-101613	Soil Reference Concentrations[A]
Sample Date	10/16/2013	
Location ID	RM-1	
Depth	0.5 - 1.5	
Parameter		
Laboratory pH (s.u.)	8.53	<6.25,>9.0
VOCs (ug/kg)		
Acetone	17	25000
Methyl ethyl ketone	3 J	17000
SVOCs (ug/kg)		
Benzo(a)anthracene	160 J	900 / 1100 / 1800
Benzo(a)pyrene	170 J	90 / 1300 / 2100
Benzo(b)fluoranthene	200 J+	900 / 1500 / 2100
Benzo(g,h,i)perylene	210	2300000
Benzo(k)fluoranthene	120 J	9000
Chrysene	220	88000
Fluoranthene	200	3100000
Indeno(1,2,3-cd)pyrene	110 J	900 / 900 / 1600
Phenanthrene	110 J	210000
Pyrene	200	2300000
Total Metals (mg/kg)		
Aluminum, Total	3300 B	9200 / 9500
Arsenic, Total	5.7	11.3 / 13
Barium, Total	34	1500
Beryllium, Total	0.4 J	22
Cadmium, Total	0.73	5.2
Calcium, Total	140000 B	—
Chromium, Total	35 J	21
Cobalt, Total	4.7	20
Copper, Total	24	2900
Iron, Total	13000	15000 / 15900
Lead, Total	60	107
Magnesium, Total	82000 B	325000
Manganese, Total	840 J	630 / 636
Mercury, Total	0.031	0.89
Nickel, Total	12 B	100
Potassium, Total	900	—
Sodium, Total	260	—
Strontium, Total	45 B^	84
Vanadium, Total	22 J	550
Zinc, Total	82 B	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.88 B	2
Cadmium, TCLP	0.0071	0.005
Cobalt, TCLP	0.024 J	1
Copper, TCLP	0.017 J	0.65
Lead, TCLP	0.027	0.0075
Manganese, TCLP	9.4	0.15
Nickel, TCLP	0.056	0.1
Zinc, TCLP	0.83	5
SPLP Metals (mg/l)		
Barium, SPLP	0.97 B	2
Iron, SPLP	0.99 J	5
Lead, SPLP	0.0051 J	0.0075
Zinc, SPLP	0.75 B	5

Notes:
— - not applicable or value not available.
[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.
B - Constituent detected in the blank and investigative sample.
J - Estimated concentration.
J+ - Estimated concentration biased high.
^ - Instrument related Quality Control (QC) exceeded the control limits.
Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-65048-1
Client Project/Site: IDOT - New Avenue - 021

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2013 3:49:13 PM

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: RM-1(0.5-1.5)-101613
Date Collected: 10/16/13 08:45
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-4
Matrix: Solid
Percent Solids: 80.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17		6.3	2.7	ug/Kg			10/21/13 18:02	1
Benzene	<6.3		6.3	0.86	ug/Kg			10/21/13 18:02	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg			10/21/13 18:02	1
Bromoform	<6.3		6.3	1.4	ug/Kg			10/21/13 18:02	1
Bromomethane	<6.3		6.3	1.9	ug/Kg			10/21/13 18:02	1
Carbon disulfide	<6.3		6.3	0.93	ug/Kg			10/21/13 18:02	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg			10/21/13 18:02	1
Chlorobenzene	<6.3		6.3	0.83	ug/Kg			10/21/13 18:02	1
Chloroethane	<6.3		6.3	1.7	ug/Kg			10/21/13 18:02	1
Chloroform	<6.3		6.3	0.72	ug/Kg			10/21/13 18:02	1
Chloromethane	<6.3		6.3	1.3	ug/Kg			10/21/13 18:02	1
cis-1,2-Dichloroethene	<6.3		6.3	0.88	ug/Kg			10/21/13 18:02	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg			10/21/13 18:02	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg			10/21/13 18:02	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg			10/21/13 18:02	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg			10/21/13 18:02	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg			10/21/13 18:02	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg			10/21/13 18:02	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg			10/21/13 18:02	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg			10/21/13 18:02	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg			10/21/13 18:02	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg			10/21/13 18:02	1
Methyl Ethyl Ketone	3.0	J	6.3	2.3	ug/Kg			10/21/13 18:02	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg			10/21/13 18:02	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg			10/21/13 18:02	1
Styrene	<6.3		6.3	0.82	ug/Kg			10/21/13 18:02	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg			10/21/13 18:02	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg			10/21/13 18:02	1
Toluene	<6.3		6.3	0.88	ug/Kg			10/21/13 18:02	1
trans-1,2-Dichloroethene	<6.3		6.3	0.86	ug/Kg			10/21/13 18:02	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg			10/21/13 18:02	1
1,1,1-Trichloroethane	<6.3		6.3	0.93	ug/Kg			10/21/13 18:02	1
1,1,2-Trichloroethane	<6.3		6.3	0.85	ug/Kg			10/21/13 18:02	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg			10/21/13 18:02	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg			10/21/13 18:02	1
Xylenes, Total	<13		13	0.57	ug/Kg			10/21/13 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 122*		*10/21/13 18:02*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/21/13 18:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 134*		*10/21/13 18:02*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*10/21/13 18:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1000		1000	230	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
1,2-Dichlorobenzene	<1000		1000	220	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
1,3-Dichlorobenzene	<1000		1000	210	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
1,4-Dichlorobenzene	<1000		1000	210	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2,2'-oxybis[1-chloropropane]	<1000		1000	230	ug/Kg		10/22/13 07:33	10/25/13 05:30	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: RM-1(0.5-1.5)-101613
Date Collected: 10/16/13 08:45
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-4
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<2000		2000	580	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2,4,6-Trichlorophenol	<2000		2000	260	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2,4-Dichlorophenol	<2000		2000	620	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2,4-Dimethylphenol	<2000		2000	640	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2,4-Dinitrophenol	<4100		4100	1000	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2,4-Dinitrotoluene	<1000		1000	310	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2,6-Dinitrotoluene	<1000		1000	240	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2-Chloronaphthalene	<1000		1000	230	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2-Chlorophenol	<1000		1000	290	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2-Methylnaphthalene	<1000		1000	260	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2-Methylphenol	<1000		1000	270	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2-Nitroaniline	<1000		1000	370	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
2-Nitrophenol	<2000		2000	320	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
3 & 4 Methylphenol	<1000		1000	390	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
3,3'-Dichlorobenzidine	<1000		1000	170	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
3-Nitroaniline	<2000		2000	390	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
4,6-Dinitro-2-methylphenol	<2000		2000	500	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
4-Bromophenyl phenyl ether	<1000		1000	230	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
4-Chloro-3-methylphenol	<2000		2000	980	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
4-Chloroaniline	<4100		4100	620	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
4-Chlorophenyl phenyl ether	<1000		1000	320	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
4-Nitroaniline	<2000		2000	420	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
4-Nitrophenol	<4100		4100	1100	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Acenaphthene	<200		200	61	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Acenaphthylene	<200		200	47	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Anthracene	<200		200	48	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Benzo[a]anthracene	160	J	200	43	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Benzo[a]pyrene	170	J *	200	37	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Benzo[b]fluoranthene	200	*	200	40	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Benzo[g,h,i]perylene	210		200	69	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Benzo[k]fluoranthene	120	J	200	49	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Bis(2-chloroethoxy)methane	<1000		1000	230	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Bis(2-chloroethyl)ether	<1000		1000	300	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Bis(2-ethylhexyl) phthalate	<1000		1000	270	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Butyl benzyl phthalate	<1000		1000	260	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Carbazole	<1000		1000	290	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Chrysene	220		200	46	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Dibenz(a,h)anthracene	<200		200	57	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Dibenzofuran	<1000		1000	250	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Diethyl phthalate	<1000		1000	340	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Dimethyl phthalate	<1000		1000	260	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Di-n-butyl phthalate	<1000		1000	260	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Di-n-octyl phthalate	<1000		1000	410	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Fluoranthene	200		200	84	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Fluorene	<200		200	46	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Hexachlorobenzene	<410		410	40	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Hexachlorobutadiene	<1000		1000	270	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Hexachlorocyclopentadiene	<4100		4100	950	ug/Kg		10/22/13 07:33	10/25/13 05:30	5
Hexachloroethane	<1000		1000	220	ug/Kg		10/22/13 07:33	10/25/13 05:30	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: RM-1(0.5-1.5)-101613
Date Collected: 10/16/13 08:45
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-4
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	110	J	200	69	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
Isophorone	<1000		1000	230	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
Naphthalene	<200		200	39	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
Nitrobenzene	<200		200	63	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
N-Nitrosodi-n-propylamine	<1000		1000	260	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
N-Nitrosodiphenylamine	<1000		1000	280	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
Pentachlorophenol	<4100		4100	1000	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
Phenanthrene	110	J	200	85	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
Phenol	<1000		1000	320	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5
Pyrene	200		200	74	ug/Kg	☼	10/22/13 07:33	10/25/13 05:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 137*	*10/22/13 07:33*	*10/25/13 05:30*	*5*
2-Fluorobiphenyl	*74*		*25 - 119*	*10/22/13 07:33*	*10/25/13 05:30*	*5*
2-Fluorophenol	*78*		*25 - 110*	*10/22/13 07:33*	*10/25/13 05:30*	*5*
Nitrobenzene-d5	*80*		*25 - 115*	*10/22/13 07:33*	*10/25/13 05:30*	*5*
Phenol-d5	*63*		*31 - 110*	*10/22/13 07:33*	*10/25/13 05:30*	*5*
Terphenyl-d14	*77*		*36 - 134*	*10/22/13 07:33*	*10/25/13 05:30*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 04:18	1
Barium	0.88	B	0.50	0.010	mg/L		10/28/13 08:30	10/29/13 04:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/29/13 04:18	1
Cadmium	0.0071		0.0050	0.0020	mg/L		10/28/13 08:30	10/29/13 04:18	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 04:18	1
Cobalt	0.024	J	0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 04:18	1
Copper	0.017	J	0.025	0.010	mg/L		10/28/13 08:30	10/29/13 04:18	1
Iron	<0.20		0.20	0.20	mg/L		10/28/13 08:30	10/29/13 04:18	1
Lead	0.027		0.0075	0.0050	mg/L		10/28/13 08:30	10/29/13 04:18	1
Manganese	9.4		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 04:18	1
Nickel	0.056		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 04:18	1
Selenium	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 04:18	1
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 04:18	1
Zinc	0.83		0.10	0.020	mg/L		10/28/13 08:30	10/29/13 04:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 07:28	1
Barium	0.97	B	0.50	0.010	mg/L		10/28/13 08:30	10/29/13 07:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/29/13 07:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/13 08:30	10/29/13 07:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:28	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 07:28	1
Copper	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:28	1
Iron	0.99		0.20	0.20	mg/L		10/28/13 08:30	10/29/13 07:28	1
Lead	0.0051	J	0.0075	0.0050	mg/L		10/28/13 08:30	10/29/13 07:28	1
Manganese	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:28	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:28	1
Selenium	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 07:28	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: RM-1(0.5-1.5)-101613
Date Collected: 10/16/13 08:45
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 07:28	1
Zinc	0.75	B	0.10	0.020	mg/L		10/28/13 08:30	10/29/13 07:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3300	B	12	1.1	mg/Kg	☼	10/17/13 16:00	10/22/13 22:45	1
Antimony	<6.0		6.0	2.4	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Arsenic	5.7		3.0	0.60	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Barium	34		3.0	0.32	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Beryllium	0.40	J	1.2	0.11	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Cadmium	0.73		0.60	0.076	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Calcium	140000	B	60	16	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Chromium	35		0.60	0.070	mg/Kg	☼	10/17/13 16:00	10/22/13 22:45	1
Cobalt	4.7		1.5	0.11	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Copper	24		3.0	0.27	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Iron	13000		60	25	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Lead	60		1.5	0.45	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Magnesium	82000	B	30	6.2	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Manganese	840	B	3.0	0.16	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Nickel	12	B	3.0	0.29	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Potassium	900		30	1.8	mg/Kg	☼	10/17/13 16:00	10/22/13 22:45	1
Selenium	<3.0		3.0	1.1	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Silver	<1.5		1.5	0.11	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Sodium	260		60	8.0	mg/Kg	☼	10/17/13 16:00	10/22/13 22:45	1
Strontium	45	B ^	0.30	0.012	mg/Kg	☼	10/17/13 16:00	10/22/13 22:45	1
Thallium	<3.0		3.0	1.3	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Vanadium	22		1.5	0.22	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5
Zinc	82	B	6.0	1.2	mg/Kg	☼	10/17/13 16:00	10/24/13 05:08	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/29/13 15:00	10/30/13 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050	J B	0.20	0.020	ug/L		10/29/13 15:00	10/30/13 11:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	31		19	8.7	ug/Kg	☼	10/22/13 15:15	10/23/13 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.53		0.200	0.200	SU			10/22/13 14:43	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: RM-1(0.5-1.5)-101613D
Date Collected: 10/16/13 08:45
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-5
Matrix: Solid
Percent Solids: 85.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	29		5.9	2.5	ug/Kg			10/21/13 18:25	1
Benzene	<5.9		5.9	0.80	ug/Kg			10/21/13 18:25	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg			10/21/13 18:25	1
Bromoform	<5.9		5.9	1.4	ug/Kg			10/21/13 18:25	1
Bromomethane	<5.9		5.9	1.8	ug/Kg			10/21/13 18:25	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg			10/21/13 18:25	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg			10/21/13 18:25	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg			10/21/13 18:25	1
Chloroethane	<5.9		5.9	1.6	ug/Kg			10/21/13 18:25	1
Chloroform	<5.9		5.9	0.68	ug/Kg			10/21/13 18:25	1
Chloromethane	<5.9		5.9	1.2	ug/Kg			10/21/13 18:25	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg			10/21/13 18:25	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg			10/21/13 18:25	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg			10/21/13 18:25	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg			10/21/13 18:25	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg			10/21/13 18:25	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg			10/21/13 18:25	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg			10/21/13 18:25	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg			10/21/13 18:25	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg			10/21/13 18:25	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg			10/21/13 18:25	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg			10/21/13 18:25	1
Methyl Ethyl Ketone	5.5	J	5.9	2.1	ug/Kg			10/21/13 18:25	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg			10/21/13 18:25	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg			10/21/13 18:25	1
Styrene	<5.9		5.9	0.77	ug/Kg			10/21/13 18:25	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg			10/21/13 18:25	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg			10/21/13 18:25	1
Toluene	<5.9		5.9	0.82	ug/Kg			10/21/13 18:25	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg			10/21/13 18:25	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg			10/21/13 18:25	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg			10/21/13 18:25	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg			10/21/13 18:25	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg			10/21/13 18:25	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg			10/21/13 18:25	1
Xylenes, Total	<12		12	0.53	ug/Kg			10/21/13 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*10/21/13 18:25*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*10/21/13 18:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 134*		*10/21/13 18:25*	*1*
Toluene-d8 (Surr)	*91*		*75 - 122*		*10/21/13 18:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<930		930	210	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
1,2-Dichlorobenzene	<930		930	200	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
1,3-Dichlorobenzene	<930		930	200	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
1,4-Dichlorobenzene	<930		930	200	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2,2'-oxybis[1-chloropropane]	<930		930	210	ug/Kg		10/22/13 07:33	10/25/13 15:24	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: RM-1(0.5-1.5)-101613D
Date Collected: 10/16/13 08:45
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-5
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	530	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2,4,6-Trichlorophenol	<1800		1800	230	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2,4-Dichlorophenol	<1800		1800	570	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2,4-Dimethylphenol	<1800		1800	580	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2,4-Dinitrophenol	<3800		3800	950	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2,4-Dinitrotoluene	<930		930	280	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2,6-Dinitrotoluene	<930		930	220	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2-Chloronaphthalene	<930		930	210	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2-Chlorophenol	<930		930	270	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2-Methylnaphthalene	<930		930	240	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2-Methylphenol	<930		930	250	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2-Nitroaniline	<930		930	330	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
2-Nitrophenol	<1800		1800	290	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
3 & 4 Methylphenol	<930		930	350	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
3,3'-Dichlorobenzidine	<930		930	160	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
3-Nitroaniline	<1800		1800	360	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
4,6-Dinitro-2-methylphenol	<1800		1800	450	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
4-Bromophenyl phenyl ether	<930		930	210	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
4-Chloro-3-methylphenol	<1800		1800	890	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
4-Chloroaniline	<3800		3800	570	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
4-Chlorophenyl phenyl ether	<930		930	290	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
4-Nitroaniline	<1800		1800	380	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
4-Nitrophenol	<3800		3800	1000	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Acenaphthene	<180		180	56	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Acenaphthylene	<180		180	43	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Anthracene	<180		180	44	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Benzo[a]anthracene	110	J	180	39	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Benzo[a]pyrene	170	J *	180	34	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Benzo[b]fluoranthene	170	J *	180	36	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Benzo[g,h,i]perylene	91	J	180	63	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Benzo[k]fluoranthene	110	J	180	44	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Bis(2-chloroethoxy)methane	<930		930	210	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Bis(2-chloroethyl)ether	<930		930	280	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Bis(2-ethylhexyl) phthalate	<930		930	250	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Butyl benzyl phthalate	<930		930	230	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Carbazole	<930		930	260	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Chrysene	150	J	180	42	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Dibenz(a,h)anthracene	<180		180	52	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Dibenzofuran	<930		930	220	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Diethyl phthalate	<930		930	310	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Dimethyl phthalate	<930		930	230	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Di-n-butyl phthalate	<930		930	230	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Di-n-octyl phthalate	<930		930	380	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Fluoranthene	210		180	76	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Fluorene	<180		180	42	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Hexachlorobenzene	<380		380	37	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Hexachlorobutadiene	<930		930	240	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Hexachlorocyclopentadiene	<3800		3800	860	ug/Kg		10/22/13 07:33	10/25/13 15:24	5
Hexachloroethane	<930		930	200	ug/Kg		10/22/13 07:33	10/25/13 15:24	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: RM-1(0.5-1.5)-101613D
Date Collected: 10/16/13 08:45
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-5
Matrix: Solid
Percent Solids: 85.2

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	110	J	180	63	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
Isophorone	<930		930	210	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
Naphthalene	<180		180	36	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
Nitrobenzene	<180		180	58	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
N-Nitrosodi-n-propylamine	<930		930	240	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
N-Nitrosodiphenylamine	<930		930	250	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
Pentachlorophenol	<3800		3800	950	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
Phenanthrene	110	J	180	78	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
Phenol	<930		930	290	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5
Pyrene	180		180	67	ug/Kg	☼	10/22/13 07:33	10/25/13 15:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 137*	*10/22/13 07:33*	*10/25/13 15:24*	*5*
2-Fluorobiphenyl	*93*		*25 - 119*	*10/22/13 07:33*	*10/25/13 15:24*	*5*
2-Fluorophenol	*74*		*25 - 110*	*10/22/13 07:33*	*10/25/13 15:24*	*5*
Nitrobenzene-d5	*81*		*25 - 115*	*10/22/13 07:33*	*10/25/13 15:24*	*5*
Phenol-d5	*75*		*31 - 110*	*10/22/13 07:33*	*10/25/13 15:24*	*5*
Terphenyl-d14	*116*		*36 - 134*	*10/22/13 07:33*	*10/25/13 15:24*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 04:24	1
Barium	0.81	B	0.50	0.010	mg/L		10/28/13 08:30	10/29/13 04:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/29/13 04:24	1
Cadmium	0.0059		0.0050	0.0020	mg/L		10/28/13 08:30	10/29/13 04:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 04:24	1
Cobalt	0.022	J	0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 04:24	1
Copper	0.016	J	0.025	0.010	mg/L		10/28/13 08:30	10/29/13 04:24	1
Iron	<0.20		0.20	0.20	mg/L		10/28/13 08:30	10/29/13 04:24	1
Lead	0.023		0.0075	0.0050	mg/L		10/28/13 08:30	10/29/13 04:24	1
Manganese	8.2		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 04:24	1
Nickel	0.052		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 04:24	1
Selenium	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 04:24	1
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 04:24	1
Zinc	0.76		0.10	0.020	mg/L		10/28/13 08:30	10/29/13 04:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 07:34	1
Barium	1.1	B	0.50	0.010	mg/L		10/28/13 08:30	10/29/13 07:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/13 08:30	10/29/13 07:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/13 08:30	10/29/13 07:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:34	1
Cobalt	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 07:34	1
Copper	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:34	1
Iron	0.47		0.20	0.20	mg/L		10/28/13 08:30	10/29/13 07:34	1
Lead	<0.0075		0.0075	0.0050	mg/L		10/28/13 08:30	10/29/13 07:34	1
Manganese	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:34	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:34	1
Selenium	<0.050		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 07:34	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Client Sample ID: RM-1(0.5-1.5)-101613D
Date Collected: 10/16/13 08:45
Date Received: 10/16/13 13:10

Lab Sample ID: 500-65048-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 07:34	1
Zinc	0.85	B	0.10	0.020	mg/L		10/28/13 08:30	10/29/13 07:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3200	B	11	1.1	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Antimony	<1.1		1.1	0.46	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Arsenic	4.9		0.57	0.11	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Barium	23		0.57	0.061	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Beryllium	0.31		0.23	0.020	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Cadmium	0.35		0.11	0.015	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Calcium	120000	B	110	31	mg/Kg	☼	10/17/13 16:00	10/24/13 05:14	10
Chromium	10		0.57	0.066	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Cobalt	3.8	B	0.29	0.020	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Copper	18		0.57	0.051	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Iron	9100		11	4.7	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Lead	44	B	0.29	0.085	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Magnesium	51000	B	5.7	1.2	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Manganese	350	B	0.57	0.031	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Nickel	9.5		0.57	0.056	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Potassium	900		29	1.7	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Silver	0.025	J B	0.29	0.021	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Sodium	230		57	7.7	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Strontium	35	B ^	0.29	0.011	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Vanadium	12		0.29	0.042	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1
Zinc	54	B	1.1	0.23	mg/Kg	☼	10/17/13 16:00	10/22/13 22:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		10/29/13 15:00	10/30/13 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	J B	0.20	0.020	ug/L		10/29/13 15:00	10/30/13 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	34		19	9.1	ug/Kg	☼	10/22/13 15:15	10/23/13 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.37		0.200	0.200	SU			10/22/13 14:47	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
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
F	MS/MSD Recovery and/or RPD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
X	Surrogate is outside control limits
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
+	ISTD response or retention time outside acceptable limits

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
a	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 - New Avenue - 021

TestAmerica Job ID: 500-65048-1

Laboratory: TestAmerica Chicago

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL T
2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-65048 COC

(optional)
Report To
Contact: S. Bahus/Kumere
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4000
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record
Lab Job #: 500-65048
Chain of Custody Number:
Page 1 of
Temperature °C of Cooler: 3.6

Client: Weston Solutions Inc
Client Project #:
Project Name: IDOT 021 - New Avenue
Project Location/State: Lemont IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TCL Metals	TAL/STARS Metals	pH					Comments
1		WW-1 (0.5-1.5)-101613	10-16-13	0805	2	S	X	X	X	X	X					
2		WW-2 (0.5-1.5)-101613	10-16-13	0815	2	S	X	X	X	X	X					
3		WW-3 (0.5-1.5)-101613	10-16-13	0830	2	S	X	X	X	X	X					
4		RM-1 (0.5-1.5)-101613	10-16-13	0845	2	S	X	X	X	X	X					
5		RM-1 (0.5-1.5)-101613D	10-16-13	0845	2	S	X	X	X	X	X					
6		MF-1 (0.5-1.5)-101613	10-16-13	0900	2	S	X	X	X	X	X					
7		RL-1 (0.5-1.5)-101613	10-16-13	0915	2	S	X	X	X	X	X					
8		RL-2 (0.5-1.5)-101613	10-16-13	0925	2	S	X	X	X	X	X					
9		RL-3 (0.5-1.5)-101613	10-16-13	0940	2	S	X	X	X	X	X					
10		RL-4 (0.5-1.5)-101613	10-16-13	0950	2	S	X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10-16-13	1223	[signature]	TA	10/16/13	1223
[signature]	TA	10/16/13	1310	[signature]	TA	10/16/13	1310
[signature]							

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

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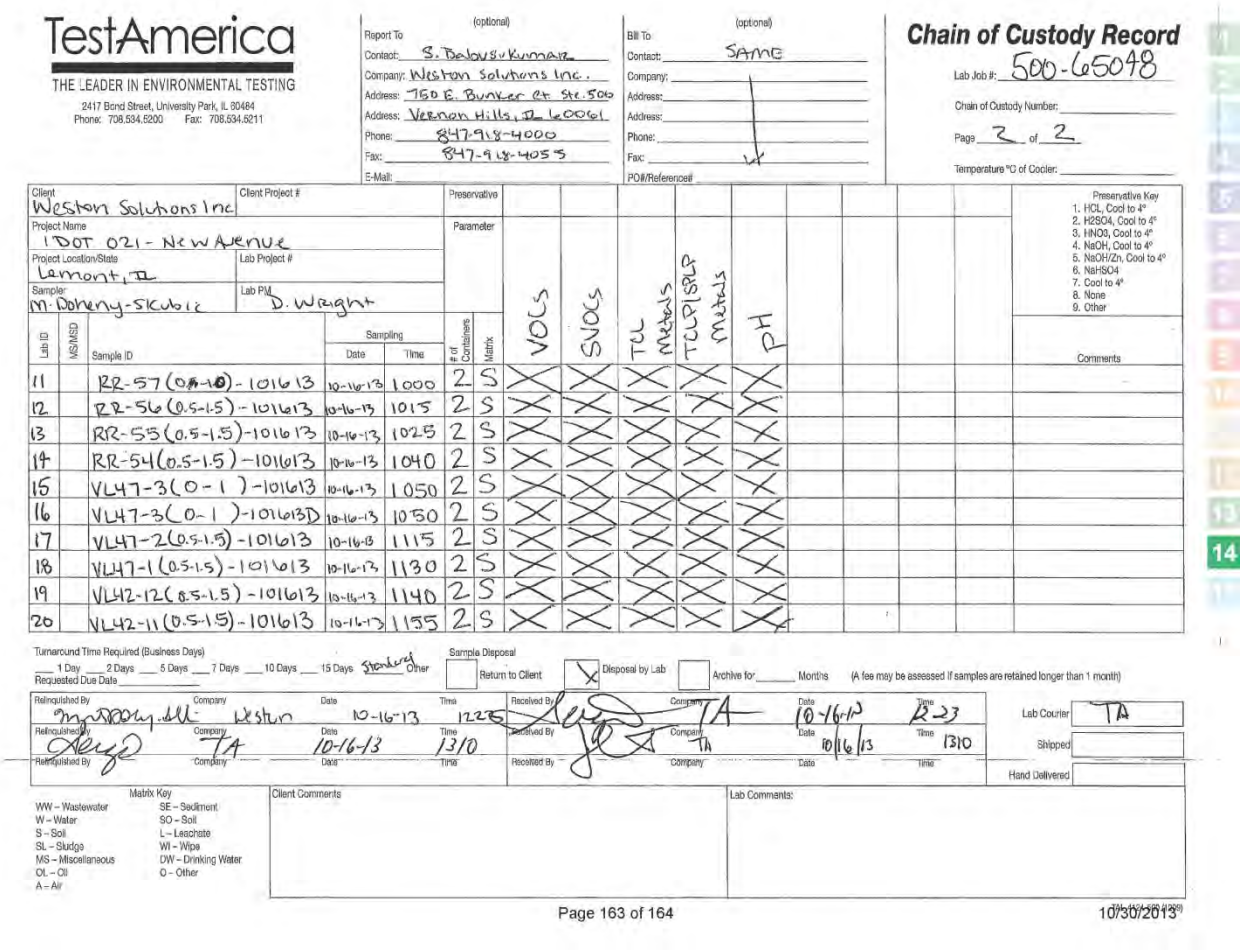
10/30/2013



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. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E. Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4000
Fax: 847-918-4055
E-Mail:

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

Chain of Custody Record
Lab Job #: 500-65048
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston Solutions Inc | Client Project #:
Project Name: IDOT 021 - New Avenue
Project Location/State: Lamont, IL | Lab Project #:
Sampler: M. Doherty-Skubic | Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TCL Metals	TCLP/SPLP Metals	PH	Comments
11		RR-57(0.5-1.5)-101613	10-16-13	1000	2	S		X	X	X	X	X	
12		RR-56(0.5-1.5)-101613	10-16-13	1015	2	S		X	X	X	X	X	
13		RR-55(0.5-1.5)-101613	10-16-13	1025	2	S		X	X	X	X	X	
14		RR-54(0.5-1.5)-101613	10-16-13	1040	2	S		X	X	X	X	X	
15		VL47-3(0-1)-101613	10-16-13	1050	2	S		X	X	X	X	X	
16		VL47-3(0-1)-101613D	10-16-13	1050	2	S		X	X	X	X	X	
17		VL47-2(0.5-1.5)-101613	10-16-13	1115	2	S		X	X	X	X	X	
18		VL47-1(0.5-1.5)-101613	10-16-13	1130	2	S		X	X	X	X	X	
19		VL42-12(0.5-1.5)-101613	10-16-13	1140	2	S		X	X	X	X	X	
20		VL42-11(0.5-1.5)-101613	10-16-13	1155	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10-16-13	1225	[signature]	TA	10-16-13	1225
[signature]	TA	10-16-13	1310	[signature]	TA	10/16/13	1310
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments: