

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

Vert alechby a PE.

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

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

MS/kf

C-91-228-12 State Job # -

County Name -COOK- WILL-31 - 197 -

Project Number ACHSIP-0361/004/ Route

FAU 0361

Code -District -1 - 1 -Section Number -2011-223-I

*REVISED: DECEMBER 30, 2013

ltem 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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C-91-228-12 State Job # -

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District -1 - 1 -Section Number - 2011-223-I *REVISED: DECEMBER 30, 2013

ltem 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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Project Number ACHSIP-0361/004/

Route

FAU 0361

District -1 - 1 -Section Number -2011-223-I

Code -

*REVISED: DECEMBER 30, 2013

ltem 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				

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C-91-228-12 State Job # -

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

Project Number

ACHSIP-0361/004/

*REVISED: DECEMBER 30, 2013

ltem 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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Route

FAU 0361

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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.

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."

<u>Qualifications</u>. 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.

<u>General.</u> 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. <u>This work</u> <u>shall include monitoring and potential sampling, analytical testing, and management of a material contaminated</u> <u>by regulated substances</u>. The Environmental Firm shall continuously monitor all soil excavation for worker protection and soil contamination. <u>Phase I Preliminary Engineering information is available through the</u> <u>District's Environmental Studies Unit</u>. 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 Page 1 of 2

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 III. 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 III. 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 Nam	e: New Avenue from	m Cook-Will	County Line to	IL 171 Office Pho	one Number, if a	vailable:	
	e Location (address		number and str	eet):			
	0 block of New Ave	nue					
City: Lockp	ort	State:	IL	Zip Code:			
County: Will				Township:			
Lat/Long of	of approximate center of site in decimal deg e: <u>41.6428539719</u> Longitude: -88.048 (Decimal Degrees) (-Deci how the lat/long data were determined:		imal degrees (DD.ddddd) to five dec	imal places (e.g	, 40.67890	0, -90.12345):
Latitude:	41.6428539719	Longitude:	-88.04855773	341			
	(Decimal Degrees)		(-Decimal De	egrees)			
Identify ho	w the lat/long data	were determ	ined:				
GPS	Map Interpol	ation 🔲 F	Photo Interpola	tion 🗌 Survey	Other		
IEPA Site N	umber(s), if assigne	d: BO	Li	BOW:		BOA:	
II. Owner	Operator Inform	nation for	Source Sit	8			
	Site Ow	ner			S	ite Operat	or
Name:	Illinois Departm	ent of Trans	portation	Name:	Illinois Departm	ent of Tra	nsportation
Street Addre	ss: 201 West Cent	er Court		Street Address:	201 West Cent	er Court	
PO Box:				PO Box:		_	
City:	Schaumburg		State: IL	City:	Schaumburg		State: IL
Zip Code:	60196-1096	Phone: 8	47-705-4101	_ Zip Code:	60196-1096	Phone:	847-705-4101
Contact:	Sam Mead			Contact:	Sam Mead		
Email, if ava	ilable: Sam.Mead@	illinois.gov		Email, if availab	le: Sam.Mead@	illinois.go	1
Email, il ava	liable. Sam.weautu	iiiiiiois.gov			le. Sam.weau	annois.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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 III. 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 III. 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 III. 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 III. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil prime 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 T	ransportation
Street Address:	2300 South Dirksen Pa	irkway
City:	Springfield	State: IL Zip Code: 62764
Phone:	217-785-4246	UNITEN GOB
Steven Gobelman, P.	E., L.P.G	in the second second
Printed N	lame:	196-000598
2/2	3	ILICENSED : E
Licensed Professio		Date: PROFESSIONAL
Licensed Professio	onal Geologist Signature:	10, 10,000,51 S
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		The for LP.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 Cock-Vill County Line to Illinois Route 171 Lemont/Romeoville/Lockport, Will County, Illinois

				10/14/2013	RR-30(0.5-1.5)-101413	10/15/2013	
Sample Date	10/14/2013	10/14/2013	10/15/2013		10/14/2013		Soil Reference
Location ID	RR-20	RR-22	RR-27	RR-29	RR-30	RR-53	Concentrations
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
/OCs (ug/kg)	-	1					
Acetone	ND	ND	7.1	ND	ND	ND	25000
SVOCs (ug/kg)				1			
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 8	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	21.8	6.7	100
Potassium, Total	1700	1500	1200 J+	1100 B	1800 B	1000	-
Sodium, Total	720	400	670 J+	310	1400	400	iner.
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

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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	
Sample Date	10/14/2013	10/14/2013	10/15/2013	10/14/2013	10/14/2013	10/15/2013	Soil Reference
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	Concentrations
Parameter							
TCLP Metals (mg/l)					(Inc. 1997)		
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

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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

Rillh

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

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

LINKS Review your project results through TOTOLACCESS 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: 500-64901-1

Client Sample ID: RR-22(0.5-1.5)-101413	Lab Sample ID: 500-64901-5
Date Collected: 10/14/13 09:50	Matrix: Solid
Date Received: 10/15/13 06:00	Percent Solids: 93.1

Method: 8260B - VOC		-				2	and the second		-
Analyte	.7.2.1.35.	Qualifier	RL		Unit	D 0	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.3				10/17/13 13:14	1
Benzene	<5.4		5.4	0.74		o D		10/17/13 13:14	
Bromodichloromethane	<5.4		5.4	0.93	ug/Kg			10/17/13 13:14	1
Bramoform	<5.4		5.4		ug/Kg	D.		10/17/13 13:14	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	0		10/17/13 13:14	
Carbon disulfide	<5.4		5.4	0.80	ug/Kg	ġ.		10/17/13 13:14	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg	0.		10/17/13 13:14	1
Chlorobenzene	<5.4		5.4	0.54		0.		10/17/13 13:14	1
Chloroethane	<5.4		5.4		ug/Kg	0		10/17/13 13:14	14
Chloroform	<5.4		5.4	0.62	ug/Kg	9		10/17/13 13:14	1
Chloromethane	<5.4		5.4	1.1		0		10/17/13 13:14	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	U.		10/17/13 13:14	
sis-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg	0-		10/17/13 13:14	1
Dibromochloromethane	<5.4		5.4	0.93	ug/Kg	0		10/17/13 13:14	1
1,1-Dichloroethane	<5.4		5.4	0,85	ug/Kg	0		10/17/13 13:14	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	0-		10/17/13 13:14	1
1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg	0		10/17/13 13:14	1
1,2-Dichloropropane	<5.4		5.4	0.82	ug/Kg	0		10/17/13 13:14	1
,3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg	ġ.		10/17/13 13:14	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	0.		10/17/13 13:14	1
2-Hexanone	<5.4		5.4	1.5	ug/Kg	¢.		10/17/13 13:14	
Methylene Chloride	<5.4		5.4	1.5	ug/Kg	D:		10/17/13 13:14	4
Aethyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	0		10/17/13 13:14	1
nethyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	0		10/17/13 13:14	
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	Ó		10/17/13 13:14	3
Styrene	<5.4		5.4	0.70	ug/Kg	0.		10/17/13 13:14	
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	D		10/17/13 13:14	
fetrachloroethene	<5.4		5.4	0.82	ug/Kg	Ū.		10/17/13 13:14	
Toluene	<5.4		5.4	0.75	ug/Kg	0		10/17/13 13:14	
rans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg	0		10/17/13 13:14	
rans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg	0		10/17/13 13:14	
1,1,1-Trichloroethane	<5.4		5.4	0.80	ug/Kg	0		10/17/13 13:14	
1, 1, 2-Trichloroethane	<5.4		5.4	0.73	ug/Kg	o		10/17/13 13:14	
Trichloroethene	<5.4		5.4	0.89	ug/Kg			10/17/13 13:14	
Vinyl chloride	<5.4		5.4	1.1		ō.		10/17/13 13:14	
Kylenes, Total	<11		11		ug/Kg	p		10/17/13 13:14	,
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	
1,2-Dichloroethane-d4 (Surr)	105		70 - 134					10/17/13 13:14	
Toluene-d8 (Surr)	94		75 - 122					10/17/13 13:14	1
Method: 8270D - Semivolatile									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorobenzene	<170		170	39	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
,2-Dichlorobenzene	<170		170	37	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	,
,3-Dichlorobenzene	<170		170	36	ug/Kg	0-	10/18/13 07:23	10/22/13 12:37	1
1,4-Dichlorobenzene	<170		170	36	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
2,2'-oxybis[1-chloropropane]	<170		170	38	ug/Kg	õ	10/18/13 07:23	10/22/13 12:37	1

TestAmerica Chicago

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10/28/2013

TestAmerica Job ID: 500-64901-1

Client	Caman		oculto	
Cilent	SalliD	le R	esuits	5

Client: Weston Solutions, Inc. Project/Site: IDOT - New Avenue - 02:

Client Sample ID: RR-22(0.5-1.5)-101413	Lab Sample ID: 500-64901-5
Date Collected: 10/14/13 09:50	Matrix: Solid
Date Received: 10/15/13 06:00	Percent Solids: 93.1

nalyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	⊲340	340	98	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
4,6-Trichlorophenol	<340	340	43	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
4-Dichlorophenol	<340	340	100	ug/Kg	P	10/18/13 07:23	10/22/13 12:37	1
4-Dimethylphenol	<340	340	110	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
4-Dinitrophenol	<690	690	170	ug/Kg	Ċ.	10/18/13 07:23	10/22/13 12:37	1
4-Dinitrotoluene	<170	170	52	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
6-Dinitratoluene	<170	170	41	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
Chloronaphthalene	<170	170	38	ug/Kg	CT.	10/18/13 07:23	10/22/13 12:37	1
Chlorophenol	<170	170	49	ug/Kg	Ū-	10/18/13 07:23	10/22/13 12:37	1
Methylnaphthalene	<170	170	44	ug/Kg	0-	10/18/13 07:23	10/22/13 12:37	1
Methylphenol	<170	170	45	ug/Kg	p-	10/18/13 07:23	10/22/13 12:37	1
Nitroaniline	<170	170	61	ug/Kg	D.	10/18/13 07:23	10/22/13 12:37	1
Nitrophenol	<340	340	54	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
& 4 Methylphenol	<170	170	65	ug/Kg	o.	10/18/13 07:23	10/22/13 12:37	1
3'-Dichlorobenzidine	<170	170	28	ug/Kg	D	10/18/13 07:23	10/22/13 12:37	1
Nitroaniline	<340	340	66	ug/Kg	Q.	10/18/13 07:23	10/22/13 12:37	1
6-Dinitro-2-methylphenol	<340	340	83	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
Bromophenyl phenyl ether	<170	170	38	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
Chloro-3-methylphenol	<340	340	160	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
Chloroaniline	<690	690	100	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
Chlorophenyl phenyl ether	<170	170	54	ug/Kg	a	10/18/13 07:23	10/22/13 12:37	1
Nitroaniline	<340	340	70	ug/Kg	ō	10/18/13 07:23	10/22/13 12:37	1
Nitrophenol	<690	690	180	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
cenaphthene	<34	34	10	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
cenaphthylene	<34	34	7.8	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
nthracene	15 J	34	8.0	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
enzo[a]anthracene	150	34	7.2	ug/Kg		10/18/13 07:23	10/22/13 12:37	4
enzo[a]pyrene	130	34	6.2		ō.	10/18/13 07:23	10/22/13 12:37	1
enzo[b]fluoranthene	200	34	6.6		0	10/18/13 07:23	10/22/13 12:37	1
enzo[g,h,i]perylene	110	34	12	ug/Kg	a	10/18/13 07:23	10/22/13 12:37	
enzo[k]fluoranthene	85	34	B.1	ug/Kg	ö.	10/18/13 07:23	10/22/13 12:37	
is(2-chloroethoxy)methane	<170	170	38	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
is(2-chloroethyl)ether	<170	170	51	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	
is(2-ethylhexyl) phthalate	<170	170	45	ug/Kg	8	10/18/13 07:23	10/22/13 12:37	
utyl benzyl phthalate	<170	170	43	1.1	0	10/18/13 07:23	10/22/13 12:37	
arbazole	<170	170	48	ug/Kg	0-	10/18/13 07:23	10/22/13 12:37	
		34			0	10/18/13 07:23	10/22/13 12:37	
hrysene	160		7.7	ug/Kg	0-			-
ibenz(a,h)anthracene	32 J	34	9.5		0	10/18/13 07:23	10/22/13 12:37	1
ibenzofuran	<170	170	41	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	
iethyl phthalate	<170	170	57	ug/Kg		10/18/13 07:23	10/22/13 12:37	
methyl phthalate	<170	170	43	ug/Kg	Q+	10/18/13 07:23	10/22/13 12:37	1
i-n-butyl phthalate	<170	170	43	ug/Kg	0.	10/18/13 07:23	10/22/13 12:37	1
i-n-octyl phthalate	<170	170	69	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
uoranthene	240	34	14	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
luorene	<34	34	7.8	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
exachlorobenzene	<69	69	6.7	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
lexachlorobutadiene	<170	170	45	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	A
lexachlorocyclopentadiene	<690	690	160	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1
lexachloroethane	<170	170	36	ug/Kg	œ	10/18/13 07:23	10/22/13 12:37	1

TestAmerica Chicago

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10/28/2013

	Client: Weston Solutions, Inc. TestAmerica Job ID: 500-64 Project/Site: IDOT - New Avenue - 021									
lient Sample ID: RR-22(0							Lab Sam	ple ID: 500-64	4901-5	
ate Collected: 10/14/13 09:50	and the part of the second second						Law Gall		x: Solid	
ate Received: 10/15/13 06:00								Percent Soli		
ate Necerred. Tortoris 00.00			_					Fercent Son	45. 00.1	
Method: 8270D - Semivolatile Analyte		nds (GC/MS Qualifier	5) (Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Indeno[1,2,3-cd]pyrene	80		34		ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1	
Isophorone	<170		170	38	ug/Kg	o.	10/18/13 07:23	10/22/13 12:37	1	
Naphthalene	<34		34	6.6	ug/Kg	ØF.	10/18/13 07:23	10/22/13 12:37		
Nitrobenzene	<34		34	11	ug/Kg	Q.	10/18/13 07:23	10/22/13 12:37	1	
N-Nitrosodi-n-propylamine	<170		170	43	ug/Kg	Ċ.	10/18/13 07:23	10/22/13 12:37	1	
N-Nitrosodiphenylamine	<170		170	46	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1	
Pentachlorophenol	<690		690	170	ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1	
Phenanthrene	100		34		ug/Kg	ġ.	10/18/13 07:23	10/22/13 12:37	1	
Phenol	<170		170		ug/Kg	Ċ.	10/18/13 07:23	10/22/13 12:37	Ť	
Pyrene	240		34		ug/Kg	0	10/18/13 07:23	10/22/13 12:37	1	
							and they	a sume of a second		
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-Fluorophenal	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	
and the second second										
Method: 6010B - Metals (ICP)		art. art.		-	-00		and the second	1 Section of a	in the second	
Analyte	12.2.5 2.5	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac	
Arsenic	<0.050		0.050	0.010			10/22/13 11:00	10/23/13 17:40	1	
Barium	0.25	JB	0.50	0.010			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	
		1	0.026						1.1	
	0.0069	9	0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 17:40	1	
Copper	<0.025	J	0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:40	1	
Copper Iron	<0.025 0.21	0	0.025 0.20	0.010 0.20	mg/L mg/L		10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40	1	
Copper Iron Lead	<0.025 0.21 <0.0075	5	0.025 0.20 0.0075	0.010 0.20 0.0050	mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1	
Gopper Iron Lead Manganese	<0.025 0.21 <0.0075 1.4		0.025 0.20 0.0075 0.025	0.010 0.20 0.0050 0.010	mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1 1 1 1	
Cobalt Copper Iron Lead Manganese Nickel	<0.025 0.21 <0.0075 1.4 0.011	J	0.025 0.20 0.0075 0.025 0.025	0.010 0.20 0.0050 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1 1 1 1	
Gopper Iron Lead Manganese Nickel Selenium	<0.025 0.21 <0.0075 1.4 0.011 0.015	J	0.025 0.20 0.0075 0.025 0.025 0.025	0.010 0.20 0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1 1 1 1 1	
Gopper Iron Lead Manganese Nickel Selenium Silver	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025	1B J	0.025 0.20 0.0075 0.025 0.025 0.050 0.050	0.010 0.20 0.0050 0.010 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1 1 1 1 1 1 1	
Gopper Iron Lead Manganese Nickel Selenium Silver	<0.025 0.21 <0.0075 1.4 0.011 0.015	1B J	0.025 0.20 0.0075 0.025 0.025 0.025	0.010 0.20 0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042	1B J	0.025 0.20 0.0075 0.025 0.025 0.050 0.050	0.010 0.20 0.0050 0.010 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP)	<0.025 0.21 <0.0076 1.4 0.011 0.015 <0.025 0.042 - SPLP East	1B L	0.025 0.20 0.0075 0.025 0.025 0.050 0.050 0.025 0.10	0.010 0.20 0.0050 0.010 0.010 0.010 0.010 0.0050 0.020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Silver Silver Zinc Method: 6010B - Metals (ICP) Analyte	<0.025 0.21 <0.0075 1.4 0.011 6.015 <0.025 0.042 - SPLP East Result	1B J	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL	0.010 0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL	mg/L mg/L mg/L mg/L mg/L mg/L mg/L Unit	D	10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40	1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) Analyte Arsenic	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050	J J B J B Qualifier	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050	0.010 0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL 0.010	mg/L mg/L mg/L mg/L mg/L mg/L Unit mg/L	D	10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 Prepared 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050 0.10	J J B J B Qualifier	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050	0.010 0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L Unit mg/L mg/L	D	10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Beryllium	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050 0.10 <0.0040	J J B J B Qualifier	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050 0.50 0.0040	0.010 0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:50 10/23/13 19:50 10/23/13 19:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Beryllium Cadmium	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050 0.10 <0.0040 <0.0050	J J B J B Qualifier J B	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050 0.50 0.0040 0.0050	0.010 0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	P	10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:50 10/23/13 19:50 10/23/13 19:50	1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Barium Cadmium Cadmium	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050 0.10 <0.040 <0.0040 <0.0050 0.014	J J B J B Qualifier J B	0.025 0.20 0.0075 0.025 0.050 0.025 0.10 RL 0.050 0.50 0.0040 0.0050 0.0050 0.0040	0.010 0.20 0.050 0.010 0.010 0.0050 0.020 0.020 0.020 0.010 0.0040 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50	1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) Analyte Ansenic Barium Barium Cadmium Cadmium Cobalt	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050 0.10 <0.0040 <0.0040 <0.0050 0.014 <0.025	J JB JB Gualifier JB	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050 0.50 0.0040 0.0050 0.025 0.025	0.010 0.20 0.050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0010 0.0020 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50	1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) Analyte Anseric Barium Barium Barium Cadmium Cobalt Copper	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050 0.10 <0.050 0.014 <0.025 0.014	J JB JB Gualifier JB	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050 0.0040 0.0050 0.0040 0.0050 0.025 0.025 0.025	0.010 0.20 0.0050 0.010 0.010 0.0050 0.020 0.010 0.0010 0.0040 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) Analyte Ansenic Barium Baryllium Cadmium Cobalt Copper Iron	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050 0.10 <0.0040 <0.0040 <0.0040 0.014 <0.025 0.013 10	J JB JB Gualifier JB	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0020 0.010 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) Analyte Ansenic Barium Baryllium Cadmium Cadmium Cobalt Copper Iron Lead	<0.025 0.21 <0.0075 1.4 0.011 0.015 0.025 0.042 - SPLP East Result <0.050 0.10 <0.0040 <0.0050 0.013 10 0.017	J JB JB Gualifier JB	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.025 0.20	0.010 0.20 0.0050 0.010 0.010 0.0050 0.020 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Copper Iron Lead Manganese Nickel Selenium Silver Zinc	<0.025 0.21 <0.0075 1.4 0.011 0.015 <0.025 0.042 - SPLP East Result <0.050 0.10 <0.0040 <0.0040 <0.0040 0.014 <0.025 0.013 10	J JB JB Gualifier JB	0.025 0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0020 0.010 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/22/13 11:00 10/22/13 11:00	10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 17:40 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50 10/23/13 19:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 021	Clien	t Sample F	kesults			TestAmeri	ca Job ID: 500-	64901-1
lient Sample ID: RR-22(0.5-1.5)-101413 ate Collected: 10/14/13 09:50 ate Received: 10/15/13 06:00	Ê.					Lab Sam	ple ID: 500-6 Matri	4901-5 x: Solid
Method: 6010B - Metals (ICP) - SPLP East (Co Analyte Resul	ntinued) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver <0.02		0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 19:50	1
Zinc 0.07	JB	0.10	0.020	mg/L		10/22/13 11:00	10/23/13 19:50	1
Method: 6010B - Total Metals								
	t Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum 300	В	10	0.96	mg/Kg	ā	10/16/13 16:30	10/18/13 15:17	1
Antimony <5.	2	5.2	2.1	mg/Kg	Ģ	10/16/13 16:30	10/22/13 15:13	5
Arsenic 5.	1	2.6	0.52	mg/Kg	0	10/16/13 16:30	10/22/13 15:13	5
Barium 2	C	2,6	0.28	mg/Kg	õ	10/16/13 16:30	10/22/13 15:13	5
Beryllium 0.3	J	1.0	0.092	mg/Kg	ø	10/16/13 16:30	10/22/13 15:13	5
Cadmium 0.1	1 1	0.52	0.066	mg/Kg	D.	10/16/13 16:30	10/22/13 15:13	5
Calcium 16000	в	52	14		Ø.	10/16/13 16:30	10/22/13 15:13	5
Chromium 5.		0.52	0.061	mg/Kg	0	10/16/13 16:30	10/18/13 15:17	1
Cobalt 3.	i	1.3	0.093		a	10/16/13 16:30	10/22/13 15:13	5
Copper 1	в	2.6	0.23	mg/Kg	D-	10/16/13 16:30	10/22/13 15:13	5
170N 930	1	52	21	mg/Kg	Q.	10/16/13 16:30	10/22/13 15:13	5
Lead 1		1.3	0.39	mg/Kg	O	10/16/13 16:30	10/22/13 15:13	5
Magnesium 9300	в	26	5.4	mg/Kg	Ŏ.	10/16/13 16:30	10/22/13 15:13	5
Manganese 34		2.6	0.14		0	10/16/13 16:30	10/22/13 15:13	5
Nickel 9.	1	2.6	0.26		0	10/16/13 16:30	10/22/13 15:13	5
Potassium 150		26	1.6		Ċ,	10/16/13 16:30	10/18/13 15:17	1
Selenium <2.		2.6	0.93	mg/Kg	Œ	10/16/13 16:30	10/22/13 15:13	5
Silver <1.		1.3	0.094	mg/Kg	ū.	10/16/13 16:30	10/22/13 15:13	5
Sodium 40		52	7.0		0	10/16/13 16:30	10/18/13 15:17	1
Strontium 5		0.26	0.010		0	10/16/13 16:30	10/18/13 15:17	1
Thallium <2.		2.6	1.1		CF	10/16/13 16:30	10/22/13 15:13	5
	В	1.3	0.19		Ċ.	10/16/13 16:30	10/22/13 15:13	5
Zinc 2	В	5.2	1.1	mg/Kg	0-	10/16/13 16:30	10/22/13 15:13	5
Method: 7470A - Mercury (CVAA) - TCLP		10				2.00.2		1.1.1.1
	Qualifier	RL	1000	Unit	D	Prepared	Analyzed	Dil Fac
Mercury <0.2		0.20	0.020	ug/L		10/22/13 15:45	10/23/13 10:28	1
Method: 7470A - Mercury (CVAA) - SPLP East								
Analyte Resul		RL	MDL		D	Prepared	Analyzed	Dil Fac
Mercury 0.02	1 1	0.20	0.020	ug/L		10/22/13 15:45	10/23/13 11:22	1
Method: 7471B - Mercury in Solid or Semisoli	Waste (Mar	ual Cold Vapo	r Technie	que)				
Analyte Resul	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury 1	i	16	7.5	ug/Kg	ġ.	10/17/13 15:15	10/18/13 10:48	1
Caparol Chamlatny								
General Chemistry Analyte Resul	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH 8.8	Suprement C	0.200		SU		richaren	10/21/13 11:05	Dit Fac

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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	Lab Sample ID: 500-64901-7
Date Collected: 10/14/13 10:15	Matrix: Solid
Date Received: 10/15/13 06:00	Percent Solids: 82.7

Method: 8260B - VOC		S			Line .		A		2.5.6
Analyte	72.235	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	0		10/17/13 13:59	1
Benzene	<6.0		6.0		ug/Kg	a		10/17/13 13:59	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	D		10/17/13 13:59	1
Bromoform	<6.0		6.0	1.4	ug/Kg	p.		10/17/13 13:59	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	0		10/17/13 13:59	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	ġ.		10/17/13 13:59	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	0/		10/17/13 13:59	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	0.		10/17/13 13:59	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	0		10/17/13 13:59	1
Chloroform	<6.0		6.0	0.70	ug/Kg	9		10/17/13 13:59	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	0		10/17/13 13:59	1
cis-1,2-Dichloroethene	<6.0		6.0	0.86	ug/Kg	0		10/17/13 13:59	
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	05		10/17/13 13:59	1
Dibromochloromethane	<6.0		6.0	1.1	ug/Kg	0		10/17/13 13:59	1
1,1-Dichloroethane	<6.0		6.0	0,96	ug/Kg	0		10/17/13 13:59	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	0-		10/17/13 13:59	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	0		10/17/13 13:59	1
1.2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	.0		10/17/13 13:59	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	0		10/17/13 13:59	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	0		10/17/13 13:59	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	9		10/17/13 13:59	
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	05		10/17/13 13:59	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	0		10/17/13 13:59	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	0		10/17/13 13:59	
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	Ó		10/17/13 13:59	
Styrene	<6.0		6.0	0.79	ug/Kg	0		10/17/13 13:59	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	D		10/17/13 13:59	
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	D		10/17/13 13:59	
Toluene	<6.0		6.0	0.85	ug/Kg	0-		10/17/13 13:59	
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	0		10/17/13 13:59	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	0		10/17/13 13:59	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	0		10/17/13 13:59	
1, 1, 2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	9		10/17/13 13:59	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg			10/17/13 13:59	
Vinyl chloride	<6.0		6,0		ug/Kg	ō.		10/17/13 13:59	
Xylenes, Total	<12		12		ug/Kg	ø		10/17/13 13:59	,
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	
1,2-Dichloroethane-d4 (Surr)	105		70 - 134					10/17/13 13:59	
Toluene-d8 (Surr)	97		75 - 122					10/17/13 13:59	
remembered padity	47		14-122					WIIII0 10.00	
Method: 8270D - Semivolatile						2			
Analyte		Qualifier	RL	1	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<980		980	220	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	6
1,2-Dichlorobenzene	<980		980	210	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	6
1,3-Dichlorobenzene	<980		980	210	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5
1,4-Dichlorobenzene	<980		980	210	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5
2,2-oxybis[1-chloropropane]	<980		980		ug/Kg	ō.	10/18/13 07:23	10/22/13 13:33	

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TestAmerica Job ID: 500-64901-1

Client	Samp	lo De	culte
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Client. Weston Solutions, Inc. Project/Site

Project/Site: IDOT - New Avenu	e - 021								
Client Sample ID: RR-20(0	0.5-1.5)-101413	1					Lab Sam	ple ID: 500-6	4901-7
Date Collected: 10/14/13 10:15								Matri	ix: Solid
Date Received: 10/15/13 06:00								Percent Soli	ds: 82.7
Method: 8270D - Semivolatile	Organic Compou	nds (GC/MS)	(Continued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1900	-	1900	560	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5
I I A A A A A A A A A A A A A A A A A A				in the second se	the second se		Martin and and and the	and the second s	

2,4,5-Trichlorophenol	<1900		1900	560	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5	
2,4,6-Trichlorophenol	<1900		1900	250	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	6	
2,4-Dichlorophenol	<1900		1900	590	ug/Kg	p-	10/18/13 07:23	10/22/13 13:33	Ę	-
2,4-Dimethylphenol	<1900		1900	610	ug/Kg	0-	10/18/13 07:23	10/22/13 13:33	5	7
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	0	10/18/13 07:23	10/22/13 13:33	Ę	6
2,6-Dinitrotoluene	<980		980	230	ug/Kg	0	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	Ċ-	10/18/13 07:23	10/22/13 13:33	5	
2-Methylnaphthalene	<980		980	250	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	e	
2-Methylphenol	<980		980	260	ug/Kg	P	10/18/13 07:23	10/22/13 13:33	E	
2-Nitroaniline	<980		980	350	ug/Kg	Ū.	10/18/13 07:23	10/22/13 13:33	6	
2-Nitrophenol	<1900	Car II	1900	310	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	e	
3 & 4 Methylphenol	<980		980	370	ug/Kg	ø	10/18/13 07:23	10/22/13 13:33	E	
3,3'- Dichlorobenzidine	<980		980	160	ug/Kg	D	10/18/13 07:23	10/22/13 13:33	6	
3-Nitroaniline	<1900		1900	380	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5	
4,6-Dinitro-2-methylphenol	<1900		1900	470		0	10/18/13 07:23	10/22/13 13:33	E	
4-Bromophenyl phenyl ether	<980		980	220		0	10/18/13 07:23	10/22/13 13:33	5	
4-Chloro-3-methylphenol	<1900		1900	940	C	0	10/18/13 07:23	10/22/13 13:33	6	
4-Chloroaniline	<3900		3900	590		0	10/18/13 07:23	10/22/13 13:33	E	
4-Chlorophenyl phenyl ether	<980		980	310		0	10/18/13 07:23	10/22/13 13:33	5	
4-Nitroaniline	<1900		1900	400	1.2.1.2.1	0	10/18/13 07:23	10/22/13 13:33	5	
4-Nitrophenol	<3900		3900	1100		0	10/18/13 07:23	10/22/13 13:33	5	
Acenaphthene	<190		190	58	101.0	0	10/18/13 07:23	10/22/13 13:33	5	
Acenaphthylene	<190		190	45		0	10/18/13 07:23	10/22/13 13:33	6	
Anthracene	<190		190	46		0-	10/18/13 07:23	10/22/13 13:33		
Benzo[a]anthracene	290		190	41	ug/Kg		10/18/13 07:23	10/22/13 13:33	6	
Benzo[a]pyrene	290		190	36		0	10/18/13 07:23	10/22/13 13:33	6	
Benzo[b]fluoranthene	420		190	38	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5	
Benzo[g,h,i]perylene	330		190	66		a	10/18/13 07:23	10/22/13 13:33		
Benzo[k]fluoránthene	140	J	190	47	ug/Kg	ġ.	10/18/13 07:23	10/22/13 13:33	6	
Bis(2-chloroethoxy)methane	<980	5	980	220		0	10/18/13 07:23	10/22/13 13:33	5	
Bis(2-chloroethyl)ether	<980		980	290	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5	
Bis(2-ethylhexyl) phthalate	<980		980	260	ug/Kg	8	10/18/13 07:23	10/22/13 13:33	6	
	<980		980	240	ug/Kg	o	10/18/13 07:23	10/22/13 13:33		
Butyl benzyl phthalate Carbazole	<980		980	240		0-	10/18/13 07:23	10/22/13 13:33	5	
	380		190	44		0	10/18/13 07:23	10/22/13 13:33		
Chrysene					ug/Kg	0			5	
Dibenz(a,h)anthracene	110	J	190	55	ug/Kg	0	10/18/13 07:23	10/22/13 13:33		
Dibenzofuran	<980		980	230	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	-	
Diethyl phthalate	<980		980	330	ug/Kg		10/18/13 07:23	10/22/13 13:33		
Dimethyl phthalate	<980		980	240		Q+	10/18/13 07:23	10/22/13 13:33	4	
Di-n-butyl phthalate	<980		980	250	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5	
Di-n-octyl phthalate	<980		980	400	ug/Kg	0.	10/18/13 07:23	10/22/13 13:33	6	
Fluoranthene	220		190	80	ug/Kg	0-	10/18/13 07:23	10/22/13 13:33	e	
Fluorene	<190		190	44	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5	
Hexachlorobenzene	<390		390	38	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	e	
Hexachlorobutadiene	<980		980	260	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	6	
Hexachlorocyclopentadiene	<3900		3900	910	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	e	
Hexachloroethane	<980		980	210	ug/Kg	œ	10/18/13 07:23	10/22/13 13:33	Ę	

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oject/Site: IDOT - New Avenu	ue - 021						TestAmeri	ca Job ID: 500-6	54901-1
lient Sample ID: RR-20(a construction of the second se						Lab Sam	ple ID: 500-6	
ate Collected: 10/14/13 10:15									x: Solid
ate Received: 10/15/13 06:00	<u> </u>							Percent Soli	ds: 82.7
Method: 8270D - Semivolatile	Orannia Compou	nde ICCIM	Continued						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	180		190	66	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5
Isophorone	<980		980	220	ug/Kg	o.	10/18/13 07:23	10/22/13 13:33	5
Naphthalene	<190		190	38	ug/Kg	D-	10/18/13 07:23	10/22/13 13:33	5
Nitrobenzene	<190		190	61	ug/Kg	Ör.	10/18/13 07:23	10/22/13 13:33	5
N-Nitrosodi-n-propylamine	<980		980	250	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5
N-Nitrosodiphenylamine	<980		980	260	ug/Kg	0	10/18/13 07:23	10/22/13 13:33	5
Pentachlorophenol	<3900		3900	990	ug/Kg	0.	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		ug/Kg	Ċ.	10/18/13 07:23	10/22/13 13:33	5
Pyrene	280		190		ug/Kg	ö	10/18/13 07:23	10/22/13 13:33	5
			100				a strategy	a second second as	1
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)									Sec. 1
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010			10/22/13 11:00	10/23/13 17:50	1
Barium	1.1	в	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	7	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
and and the second s	<0.025		0.025	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
	0.011	JB	0,050	0.010	mg/L		10/22/13 11:00	10/23/13 17:50	1
Nickel					mg/L		10/22/13 11:00	10/23/13 17:50	1
Selenium Silver	<0.025		0.025	0.0050					
	<0.025 0.76	в	0.025				10/22/13 11:00	10/23/13 17:50	1
Selenium Silver Zinc	0.76	в		0.0050				10/23/13 17:50	1
Selenium Silver Zinc Method: 6010B - Metals (ICP	0.76) - SPLP East		0.10	0.0050	mg/L	P	10/22/13 11:00		
Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte	0.76) - SPLP East	B Qualifier		0.0050 0.020 MDL	mg/L Unit	D		10/23/13 17:50 Analyzed 10/23/13 19:58	1 Dil Fac
Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic	0.76) - SPLP East Result <0.050	Qualifier	0.10 RL 0.050	0.0050 0.020 MDL 0.010	mg/L Unit mg/L	D	10/22/13 11:00 Prepared 10/22/13 11:00	Analyzed 10/23/13 19:58	Dil Fac
Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barlum	0.76) - SPLP East Result <0.050 0.94	Qualifier	0.10 RL 0.050 0.50	0.0050 0.020 MDL 0.010 0.010	mg/L Unit mg/L mg/L	D	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58	Dil Fac
Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barlum Beryllium	0.76) - SPLP East Result <0.050 0.94 <0.0040	Qualifier	0.10 RL 0.050 0.50 0.0040	0.0050 0.020 MDL 0.010 0.010 0.0040	mg/L Unit mg/L mg/L mg/L	D	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58	Dil Fac 1
Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium Baryllium Cadmium	0.76) - SPLP East <0.050 0.94 <0.0040 <0.0050	Qualifier B	0.10 RL 0.050 0.50 0.0040 0.0050	0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020	mg/L Unit mg/L mg/L mg/L mg/L	P	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58	Dil Fac 1 1
Selenium Silver Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Baryllium Cadmium Cadmium	0.76) - SPLP East <0.050 0.94 <0.0040 <0.0050 0.014	Qualifier B	0.10 RL 0.050 0.50 0.0040 0.0050 0.025	0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010	mg/L Unit mg/L mg/L mg/L mg/L	D	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58	Dil Fac 1 1 1 1
Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium Barium Beryllium Cadmium Chromium Cobalt	0.76) - SPLP East <0.050 0.94 <0.0040 <0.0050 0.014 <0.025	Qualifier B	0.10 RL 0.050 0.50 0.0040 0.0050 0.025 0.025	0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.010 0.0050	mg/L Unit mg/L mg/L mg/L mg/L mg/L	D	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58	Dil Fac 1 1 1 1 1
Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Banium Barium Barium Cadmium Cadmium Chromium Cobalt Copper	0.76) - SPLP East 	Qualifier B	0.10 RL 0.050 0.50 0.0040 0.0050 0.025 0.025 0.025	0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010	mg/L Unit mg/L mg/L mg/L mg/L mg/L mg/L	D	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58	Dil Fac 1 1 1 1
Selenium Silver Zinc Analyte Arsenic Barium Barium Cadmium Chromium Cobalt Copper Iron	0.76) - SPLP East <0.050 0.94 <0.0040 <0.0050 0.014 <0.025 0.024 9.8	Qualifier B	0.10 RL 0.050 0.0040 0.0050 0.025 0.025 0.025 0.20	0.0050 0.020 MDL 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	P	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58	Dil Fac 1 1 1 1 1 1 1 1 1
Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barlum Barlum Cadmium Cadmium Chromium Cobalt Copper Iron Lead	0.76) - SPLP East <pre><pre></pre> <pre></pre> <pre< td=""><td>Qualifier B</td><td>0.10 RL 0.050 0.0040 0.0050 0.025 0.025 0.205 0.20 0.0075</td><td>0.0050 0.020 MDL 0.010 0.0040 0.0040 0.0020 0.010 0.0050 0.010 0.200</td><td>mg/L Unit mg/L mg/L mg/L mg/L mg/L mg/L</td><td>D</td><td>10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00</td><td>Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58</td><td>Dil Fac 1 1 1 1 1 1 1 1 1 1</td></pre<></pre>	Qualifier B	0.10 RL 0.050 0.0040 0.0050 0.025 0.025 0.205 0.20 0.0075	0.0050 0.020 MDL 0.010 0.0040 0.0040 0.0020 0.010 0.0050 0.010 0.200	mg/L Unit mg/L mg/L mg/L mg/L mg/L mg/L	D	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58	Dil Fac 1 1 1 1 1 1 1 1 1 1
Selenium Silver Zinc	0.76) - SPLP East <0.050 0.94 <0.0040 <0.0050 0.014 <0.025 0.024 9.8	Qualifier B	0.10 RL 0.050 0.0040 0.0050 0.025 0.025 0.025 0.20	0.0050 0.020 MDL 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20	mg/L Unit mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/22/13 11:00 Prepared 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00 10/22/13 11:00	Analyzed 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58 10/23/13 19:58	Dil Fac 1 1 1 1 1 1 1 1 1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 02	1	Client	Sample F	results			TestAmeri	ca Job ID: 500-1	64901-1
Client Sample ID: RR-20(0.5-1. ate Collected: 10/14/13 10:15 ate Received: 10/15/13 06:00	5)-101413						Lab Sam	ple ID: 500-6 Matri	4901-7 x: Solid
Method: 6010B - Metals (ICP) - SPL Analyte		tinued) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	1	0.025	0.0050	mg/L		10/22/13 11:00	10/23/13 19:58	1
Zinc	0.73	в	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	В	12	1.1	mg/Kg	a	10/16/13 16:30	10/18/13 15:30	1
Antimony	0.61	J	1.2	0.48	mg/Kg	G	10/16/13 16:30	10/18/13 15:30	1
Arsenic	10		0.60	0.12	mg/Kg	0	10/16/13 16:30	10/18/13 15:30	1
Barium	60		0,60	0.064	mg/Kg	õ	10/16/13 16:30	10/18/13 15:30	1
Beryllium	0.44		0.24	0.021	mg/Kg	ø	10/16/13 16:30	10/18/13 15:30	1
Cadmium	0.48		0.12	0.015	mg/Kg	0	10/16/13 16:30	10/18/13 15:30	1
Calcium	98000	В	120	32	mg/Kg	0	10/16/13 16:30	10/22/13 15:19	10
Chromium	20		0.60	0.069	mg/Kg	0	10/16/13 16:30	10/18/13 15:30	1
Cobalt	5.1		0.30	0.021	mg/Kg	a	10/16/13 16:30	10/18/13 15:30	1
Copper	29	в	0.60	0.053	mg/Kg	0-	10/16/13 16:30	10/18/13 15:30	1
Iron	12000		12	4.9	mg/Kg	Ø.	10/16/13 16:30	10/18/13 15:30	1
Lead	120		0.30	0.089	mg/Kg	σ	10/16/13 16:30	10/18/13 15:30	1
Magnesium	47000	в	6.0	1.2	mg/Kg	Ŏ.	10/16/13 16:30	10/18/13 15:30	1
Manganese	440		0.60	0.032	mg/Kg	Q.	10/16/13 16:30	10/18/13 15:30	1
Nickel	12		0.60	0.059	mg/Kg	0	10/16/13 16:30	10/18/13 15:30	1
Potassium	1700		30	1.8	mg/Kg	ö	10/16/13 16:30	10/18/13 15:30	1
Selenium	<0.60		0.60	0.21	mg/Kg	Œ	10/16/13 16:30	10/18/13 15:30	1
Silver	<0.30		0.30	0.022	mg/Kg	ů.	10/16/13 16:30	10/18/13 15:30	1
Sodium	720		60	8.0		ò	10/16/13 16:30	10/18/13 15:30	1
Strontium	39	•	0.30	0.012	mg/Kg	0	10/16/13 16:30	10/18/13 15:30	1
Thallium	0.27	J	0.60	0.25	mg/Kg	0F	10/16/13 16:30	10/18/13 15:30	1
Vanadium	15	в	0.30	0.044	mg/Kg	Q.	10/16/13 16:30	10/18/13 15:30	1
Zinç	84	в	1.2	0.24	mg/Kg	Q-	10/16/13 16:30	10/18/13 15:30	1
Method: 7470A - Mercury (CVAA) -									
Analyte		Qualifier	RL	1000.00	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) -									
Analyte	Result	Qualifier	RL	MDL		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		and the second se							
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	55		18	8.3	ug/Kg	<u>ci</u>	10/17/13 15:15	10/18/13 10:52	1
General Chemistry									
Analyte	Denut	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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	Definitions/Glossary
Client: Westor	a Solutions, Inc. TestAmerica Job ID: 500-64901-1
Project/Site: IE	DOT - New Avenue - 021
Qualifiers	
GC/MS Semi	VOA
Qualifier	Quaiffer 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
8	Compound was found in the blank and sample.
*	ICV, CCV, ICB, CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related OC 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.
o	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
GNF	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
MDG	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 RER	Quality Control Relative error ratio
RL	
ALC: NO	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Polative Depart Difference, a measure of the velocity difference between two points
PD	Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

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TestAmerica Job ID: 500-64901-1

08-31-14

04-30-14

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Cal	tifiar	tion	Summ	
Cel	TUIICa	шоп	Summ	arv

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

Wisconsin

Wyoming

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
Ilinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
owa	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-1L035	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

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BTMS-O

State Program

State Program

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TestAmerica THE LEADER IN ENVIRONMENTAL 2417 Band Street, University Park, IL 004 Phone: 708.504.5200 Par: 708.5343	E-Mail:		500	Bill To (polional) Contact: Show 5 Company:				Chain of Custody Record Lab Job #. 500-64901 Chein of Custody Number: Page 1 of 2 Temperatury *C of Cooler: 3.1			
Client Weston Solutions flore Project Name 1007-02, i New Allwe Project LocaldonState Lee Monthi IL Sample M-Doheny-Skubric M-Doheny-Skubric Lab PM D. We	isht	Preservativa Parameter	.9	Ś	cls	mutals					Preservative Kay T. HQL. Cool to <i>dr²</i> 2. H28304, Cool to <i>dr</i> ² 3. HNG3, Cool to 44 4. NaCH, Cool to 44 5. NaCH/2/CA, Cool to 44 6. NaHSO4 7. Cool to 44 8. None 9. Other
D GSWSW Samplo ID	Sampling Date Time	# of Containens Metrix	NOC	Svacs	The	TEP	PH				Comments
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-14-13 0855 14-13 0910 -14-12 0978 14-13 0938 14-13 0938 14-13 1093 14-13 1015 14-13 105 14-13 1040 -14-13 1040	2 \$ 2 \$ 2 \$ 2 \$ 2 \$ 2 \$ 2 \$ 2 \$ 2 \$ 2 \$	XXXXXXXXXX	X X X X X X X X X X	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXXX	£			
Turanzord Timo Required Business Days 1 Day 2 Days 5 Days 7 Days 10 Days 16 Days 17 Days Days 16 Days 17 Days Days	14-13	Sample Dispo Return Time 1554	ead In to Client Received By Received By Received By	X Disp	Bt	Arch	live for	Date 10/14/13 Date 10/15/13	1554	100	tsinec longer than 1 month)

THE LEADER IN ENVIRONMENTA 2417 Bond Stroot, University Park, IL & Phome: 708.534.5200 Fair: 708.53	Domest S. Bessies, Durbalic Dempart Delabors, Durbalic Address TBO to Bessies, Durbalic 84 Address 201 Address 900 E.Bessies, Durbalic 91 Address 900 E.Bessies, Durbalic 900 E.Bessies, Durbalic <th>Address:</th> <th colspan="3">Contact:</th> <th>f Custody Record <u>500-64901</u> <u>Custody Number:</u> <u>0</u>_0_2_ hre "C of Cooler:</th>		Address:	Contact:			f Custody Record <u>500-64901</u> <u>Custody Number:</u> <u>0</u> _0_2_ hre "C of Cooler:		
nt	Client Project #	E-Mail:	Preservative	1	PO#/Reference#			Тепрета	Preservative Key
leston Solutions Inc.	Ĉ	121	Parameter						1. HCL, Cool to 4° 2. H2SO4, Cool to 4°
DOT 021-New Ave act Location/State Lewisyth IL plan M. Oolwewy-Stubic	Lab Project#	right		VOUS	TUL Medes Mitals	metals			 3. HN03. Cool to 4^e 4. Ne047. Cool to 4^e 5. NaOH/Zn, Cool to 4^e 6. NaHSO4 7. Cool to 4^e 8. None 9. Other
	(5 00	1	(GLS	0 2	MA	prt prt			S. Otter
Sample ID	D	Sampling late Time	# c ¹ Containers Matrix	> 0	FCF	A			Comments
RR-17 (0.5-1.5)-1	01413 10-1	4-13 1055		XX	\times	XX	1.2.		
RR-16(0-2)-		1-13 1115	52S	XX	XD	XX	1		
RR-15(0:5-15)-		14-1135		XX	$\langle \times \rangle$	XX		1	
- RR-14 (0.5.1.5)-1		4-13 1145	0 0	XX	XX	$\langle \checkmark \langle$			
5 1212-13(0-4)-		14-13 1205		XX	XX	XX			-
RR-40 (0.5-1.5)	101413 10-1	4-13 1230	25	XX	$\langle \rangle$	$\langle \times \rangle$		1	
RR-39(0.5-1.5)	-101413 10-1	4-13 1250	25	$\times \times$	XX	<			
RR-38(0.5-15)-	101413 104	14-13 1315	25	$\times \times$	XX	<		11	1
RR-37(0.5-1.5)-	101413 10-1	4-13 1320	525	$\times \times$	\times	$< \times$			
	+								MOS
Laround Time Required (Euriness Days) 1 Day 2 Days 6 Days 7 Days uneside Date	Date	512-14-13 1-14-13	Sample Dispo Return Tirro 1554 Tirro 1655 Tirro		isposal by Lab	7A 1	_Months (A fee ma <u>10/19/13</u> Defent 0 15 13 Defent	y be assessed if samples a Time Time 0600 Time	are retained longer than 1 month) Lab Courier Th Shipped Hand Delivered
Metrix Key /- Waster SE - Sediment Water BD Seli Sold L - Leuchate Sludg W Wipe Nisselianaous DW Duhler Mete Oi Ar	Cilent 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

Rillh

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

LINKS

Review your project results through

Have a Question?

www.testamericainc.com

Visit us at:

The Expert 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 Lab Sample ID: 500-64981-1 Date Collected: 10/15/13 08:15 Matrix: Solid Date Received: 10/16/13 07:00 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	0		10/22/13 18:57	1
Benzene	<5.5		5.5	0.75	ug/Kg	ø		10/22/13 18:57	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	D		10/22/13 18:57	1
Bramoform	<5.5		5.5	1.3	ug/Kg	0		10/22/13 18:57	1
Bromomethane	<5.5		5.5	1.6	ug/Kg	0		10/22/13 18:57	1
Carbon disulfide	<5.5		5.5	0.82		ġ.		10/22/13 18:57	1
Carbon tetrachloride	<5.5		5.5	0.99	ug/Kg	0.		10/22/13 18:57	1
Chlorobenzene	<5.5		5.5	0.55	ug/Kg	0.		10/22/13 18:57	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	0		10/22/13 18:57	1
Chloroform	<5.5		5.5	0.63	ug/Kg	9		10/22/13 18:57	1
Chloromethane	<5.5		5.5	1.1	ug/Kg	0		10/22/13 18:57	1
is-1,2-Dichloroethene	<5.5		5.5	0.77		0		10/22/13 18:57	1
as-1,3-Dichloropropene	<5.5		5.5	0.72		05		10/22/13 18:57	
Dibromochloromethane	<5.5		5.5	0.95	ug/Kg	0		10/22/13 18:57	4
1,1-Dichloroethane	<5.5		5.5	0.86		a		10/22/13 18:57	1
.2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	0-		10/22/13 18:57	1
1-Dichloroethene	<5.5		5.5	0.88	ug/Kg	0.		10/22/13 18:57	1
.2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	0		10/22/13 18:57	
,3-Dichloropropene, Total	<5.5		5.5		ug/Kg	ó		10/22/13 18:57	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	0.		10/22/13 18:57	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	0-		10/22/13 18:57	1
Methylene Chloride	<5.5		5.5		ug/Kg	0.		10/22/13 18:57	1
Methyl Ethyl Ketone	<5.6		5.5	2.0	ug/Kg	0		10/22/13 18:57	1
nethyl isobutyl ketone	<5.5		5.5		ug/Kg	0		10/22/13 18:57	1
Methyl tert-butyl ether	<5.5		5.5	0.90	ug/Kg	6		10/22/13 18:57	a.
Styrene	<5.5		5.6	0.72	ug/Kg	D.		10/22/13 18:57	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	D-		10/22/13 18:57	1
fetrachloroethene	<5.5		5.5	0.83		o		10/22/13 18:57	4
foluene	<5.5		5.5		ug/Kg	0		10/22/13 18:57	i i
rans-1,2-Dichloroethene	<5.5		5.5	0.75	ug/Kg	0		10/22/13 18:57	1
rans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	0		10/22/13 18:57	
1,1,1-Trichloroethane	<5.5		5.5		ug/Kg	0		10/22/13 18:57	
1.2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	0		10/22/13 18:57	
Frichlaroethene	<5.5		5.5		ug/Kg	÷.		10/22/13 18:57	
/inyl chloride	<5.5		5.5		ug/Kg	Ō.		10/22/13 18:57	i.
(ylenes, Total	<11		11		ug/Kg	p.		10/22/13 18:57	7
	N Dawrenne	Qualifica	Limits				Destant		Dil Fac
Surrogate 1-Bromofluorobenzene (Surr)	%Recovery 114	Qualifier	70 - 122				Prepared	Analyzed 10/22/13 18:57	Dil Fac
-bromofluoronethane	107		75 - 120					10/22/13 18:57	-
1,2-Dichloroethane-d4 (Surr)	115		70 - 134					10/22/13 18:57	1
1,2-Dichloroethane-d4 (Surr) Foluene-d8 (Surr)	115		70 - 134 75 - 122					10/22/13 18:57	1
ouerie-do (Suir)	104		13 - 122					10/22/13 10:07	1
Method: 8270D - Semivolatile								and an	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1700		1700	390	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
,2-Dichlorobenzene	<1700		1700	380	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
1,3-Dichlorobenzene	<1700		1700	360	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
.4-Dichlorobenzene	<1700		1700	360	ug/Kg	0:	10/18/13 17:30	10/24/13 21:22	10

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Client	Camp		oculte	
Cilent	Samp	ie R	esuits	5

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

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

TestAmerica Job ID: 500-64981-1

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

nalyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<3400	3400	990	ug/Kg	ō	10/18/13 17:30	10/24/13 21:22	10
4,6-Trichlorophenol	<3400	3400	430	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
4-Dichlorophenol	<3400	3400	1000	ug/Kg	D-	10/18/13 17:30	10/24/13 21:22	10
4-Dimethylphenol	<3400	3400	1100	ug/Kg	Q-	10/18/13 17:30	10/24/13 21:22	10
4-Dinitrophenol	<7000	7000	1800	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
4-Dinitrotoluene	<1700	1700	530	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
6-Dinitratoluene	<1700	1700	410	ug/Kg	ō.:	10/18/13 17:30	10/24/13 21:22	10
-Chloronaphthalene	<1700	1700	390	ug/Kg	13	10/18/13 17:30	10/24/13 21:22	10
Chlorophenol	<1700	1700	490	ug/Kg	G-	10/18/13 17:30	10/24/13 21:22	10
Methylnaphthalene	<1700	1700	450	ug/Kg	0-	10/18/13 17:30	10/24/13 21:22	10
-Methylphenol	<1700	1700	460	ug/Kg	p-	10/18/13 17:30	10/24/13 21:22	10
Nitroaniline	<1700	1700	620	ug/Kg	D.	10/18/13 17:30	10/24/13 21:22	10
Nitrophenol	<3400	3400	540	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
& 4 Methylphenol	<1700	1700	650	ug/Kg	ø	10/18/13 17:30	10/24/13 21:22	10
3'-Dichlorobenzidine	<1700	1700	290	ug/Kg	D	10/18/13 17:30	10/24/13 21:22	10
Nitroaniline	<3400	3400	670	ug/Kg	¢.	10/18/13 17:30	10/24/13 21:22	10
6-Dinitro-2-methylphenol	<3400	3400	840	ug/Kg	o,	10/18/13 17:30	10/24/13 21:22	10
Bromophenyl phenyl ether	<1700	1700	390	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
-Chloro-3-methylphenol	<3400	3400	1700	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
Chloroaniline	<7000	7000	1000	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
-Chlorophenyl phenyl ether	<1700	1700	540	ug/Kg	a	10/18/13 17:30	10/24/13 21:22	10
Nitroaniline	<3400	3400	710	ug/Kg	ō	10/18/13 17:30	10/24/13 21:22	10
Nitrophenol	<7000	7000	1900	ug/Kg	Ø	10/18/13 17:30	10/24/13 21:22	10
cenaphthene	<340	340	100	ug/Kg	o.	10/18/13 17:30	10/24/13 21:22	10
cenaphthylene	<340	340	79	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
nthracene	<340	340	81	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
Senzo[a]anthracene	420	340	72	ug/Kg		10/18/13 17:30	10/24/13 21:22	10
Senzo[a]pyrene	370	340	63	ug/Kg	Ô.	10/18/13 17:30	10/24/13 21:22	10
Benzo[b]fluoranthene	490	340	67	ug/Kg	o.	10/18/13 17:30	10/24/13 21:22	10
lenzo[g,h,i]perylene	370	340	120	ug/Kg	cı	10/18/13 17:30	10/24/13 21:22	10
Benzo[k]fluoranthene	230 J	340	82	ug/Kg	ö.	10/18/13 17:30	10/24/13 21:22	10
lis(2-chloroethoxy)methane	<1700	1700	380	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
lis(2-chloroethyl)ether	<1700	1700	510	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
Bis(2-ethylhexyl) phthalate	<1700	1700	460	ug/Kg	ö.	10/18/13 17:30	10/24/13 21:22	10
lutyl benzyl phthalate	<1700	1700	430	ug/Kg	o	10/18/13 17:30	10/24/13 21:22	10
arbazole	<1700	1700	490	ug/Kg	Q.	10/18/13 17:30	10/24/13 21:22	10
Chrysene	470	340	78	ug/Kg	Ö.	10/18/13 17:30	10/24/13 21:22	10
Dibenz(a,h)anthracene	97 J	340	96	ug/Kg	05	10/18/13 17:30	10/24/13 21:22	10
Dibenzofuran	<1700	1700	410	ug/Kg	œ	10/18/13 17:30	10/24/13 21:22	10
Diethyl phthalate	<1700	1700	580	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
imethyl phthalate	<1700	1700	430	ug/Kg	Q+	10/18/13 17:30	10/24/13 21:22	10
Di-n-butyl phthalate	<1700	1700	440	ug/Kg	ō.	10/18/13 17:30	10/24/13 21:22	10
0-n-octyl phthalate	<1700	1700	700	ug/Kg	ò.	10/18/13 17:30	10/24/13 21:22	10
luoranthene	630	340	140	ug/Kg	0-	10/18/13 17:30	10/24/13 21:22	10
luorene	<340	340	78	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
lexachlorobenzene	<700	700	68	ug/Kg	ò	10/18/13 17:30	10/24/13 21:22	10
lexachlorobutadiene	<1700	1700	450	ug/Kg	o	10/18/13 17:30	10/24/13 21:22	10
exachlorocyclopentadiene	<7000	7000	1600	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
lexachloroethane	<1700	1700	1,595	ug/Kg	œ.	10/18/13 17:30	10/24/13 21:22	10

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ient: Weston Solutions, Inc. oject/Site: IDOT - New Avenu	ie - 021		t Sample F				TestAmeri	ca Job ID: 500-6	54981-1
lient Sample ID: RR-27(ate Collected: 10/15/13 08:15	and the second second						Lab Sam	ple ID: 500-6	4981-1 x: Solid
ate Received: 10/16/13 07:00								Percent Soli	
Method: 8270D - Semivolatile Analyte		Qualifier	5) (Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	230	J	340	120	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
Isophorone	<1700		1700	380	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
Naphthalene	<340		340	66	ug/Kg	ØF	10/18/13 17:30	10/24/13 21:22	10
Nitrobenzene	<340		340	110	ug/Kg	Q.	10/18/13 17:30	10/24/13 21:22	10
N-Nitrosodi-n-propylamine	<1700		1700	440	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
N-Nitrosodiphenylamine	<1700		1700	470	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
Pentachlorophenol	<7000		7000	1800	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
Phenanthrene	300	J.	340	140	ug/Kg	th.	10/18/13 17:30	10/24/13 21:22	10
Phenol	<1700		1700	550	ug/Kg	0	10/18/13 17:30	10/24/13 21:22	10
Pyrene	590		340	120	ug/Kg	0	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)	TOLR								
Analyte		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	JB	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	L	0.10	0.020	mg/L		10/25/13 08:00	10/26/13 01:13	1
Method: 6010B - Metals (ICP)									
Analyte	and the second se	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010			10/27/13 14:30	10/29/13 02:58	1
Barium	0.066	1	0,50	0.010			10/27/13 14:30	10/29/13 02:58	1
Beryllium	<0.0040		0.0040	0.0040			10/27/13 14:30	10/29/13 02:58	1
Cadmium	<0.0050		0.0050	0.0020	1.1		10/27/13 14:30	10/29/13 02:58	1
Chromium	<0.025		0.025	0.010			10/27/13 14:30	10/29/13 02:58	1
Cobalt	<0.025		0.025	0.0050			10/27/13 14:30	10/29/13 02:58	1
Copper	0.014	7	0.025	0.010			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
ouronium									

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ient: Weston Solutions, Inc. oject/Site: IDOT - New Avenue - 021	Client	t Sample F	esuits			TestAmeri	ca Job ID: 500-	64981-1
lient Sample ID: RR-27(0.5-1.5)-101513 ate Collected: 10/15/13 08:15 ate Received: 10/16/13 07:00	C					Lab Sam	ple ID: 500-6 Matri	4981-1 x: Solid
Method: 6010B - Metals (ICP) - SPLP East (Con Analyte Result	tinued) 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	L .	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 02:58	1
Method: 6010B - Total Metals								
Analyte Resul	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum 3700		11	0.98	mg/Kg	ā	10/17/13 09:45	10/19/13 01:52	1
Antimony <5.3	P. I	5.3	2.1	mg/Kg	Ģ	10/17/13 09:45	10/23/13 15:55	5
Arsenic 5.4		2.7	0.53	mg/Kg	0	10/17/13 09:45	10/23/13 15:55	5
Barium 38		2.7	0.28	mg/Kg	ō	10/17/13 09:45	10/23/13 15:55	5
Beryllium 0.50	J	1.1	0.094	mg/Kg	Ø	10/17/13 09:45	10/24/13 11:47	5
Cadmium 0.78		0.53	0.067	mg/Kg	Q.	10/17/13 09:45	10/23/13 15:55	5
Calcium 150000	в	53	14	mg/Kg	(X)	10/17/13 09:45	10/23/13 15:55	5
Chromium 10	0 -	2.7	0.31	mg/Kg	O.	10/17/13 09:45	10/23/13 15:55	5
Cobalt 3.8		1.3	0.095	mg/Kg	a	10/17/13 09:45	10/23/13 15:55	5
Copper 18	0	2.7	0.24	mg/Kg	0	10/17/13 09:45	10/23/13 15:55	5
Iron 11000	6-	53	22	mg/Kg	Q.	10/17/13 09:45	10/23/13 15:55	5
Lead 120	в	1.3	0.40	mg/Kg	0	10/17/13 09:45	10/24/13 11:47	5
Magnesium 77000	в	27	5.5	mg/Kg	ö	10/17/13 09:45	10/23/13 15:55	5
Manganese 350	в	2.7	0.14	mg/Kg	Q.	10/17/13 09:45	10/23/13 15:55	5
Nickel 10	2	2.7	0.26	mg/Kg	D:	10/17/13 09:45	10/23/13 15:55	5
Potassium 1200	1	27	1.6	mg/Kg	Ċ.	10/17/13 09:45	10/19/13 01:52	1
Selenium <2.7	1	2.7	0.94	mg/Kg	Œ	10/17/13 09:45	10/24/13 11:47	5
Silver <1.3	C 1	1.3	0.096	mg/Kg	ġ.	10/17/13 09:45	10/23/13 15:55	5
Sodium 670	() ()	53	7.1	mg/Kg	Ò.	10/17/13 09:45	10/19/13 01:52	1
Strontium 48	B ^	0.27	0.011	mg/Kg	0	10/17/13 09:45	10/19/13 01:52	1
Thallium <2.7		2.7	1.1	mg/Kg	0F	10/17/13 09:45	10/23/13 15:55	5
Vanadium 14	в	1.3	0.20	mg/Kg	Ċ.	10/17/13 09:45	10/23/13 15:55	5
Zinc 70	в	5.3	1.1	mg/Kg	Q-	10/17/13 09:45	10/24/13 11:47	5
Method: 7470A - Mercury (CVAA) - TCLP								
The second se	Qualifier	RL	MDL		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 Resul	Qualifier	RL	MDL		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 (Man	ual Cold Vapo	r Technie	que)				
Analyte Resul	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury 50	8	17	8.0	ug/Kg	ġ.	10/18/13 15:00	10/21/13 09:55	1
General Chemistry								
Analyte Resul	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Resul	sectoriner	0.200	0.200		-	open ou	10/21/13 13:06	

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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	Lab Sample ID: 500-64981-18
Date Collected: 10/15/13 12:10	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 93.9

Wethod: 8260B - VOC		100 million 100	124		100	1.1	in the second		1.1.00
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3		ug/Kg			10/23/13 17:17	1
Benzene	<5.3		5.3	0.73		a D		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		ug/Kg	p.		10/23/13 17:17	1
Bromomethane	<5.3		5.3	1.6		0		10/23/13 17:17	1
Carbon disulfide	<5.3		5.3	0.80	ug/Kg	ġ.		10/23/13 17:17	1
Carbon tetrachloride	<5.3		5.3	0.97		0		10/23/13 17:17	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	0.		10/23/13 17:17	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	0		10/23/13 17:17	1
Chloroform	<5.3		5.3	0.61	ug/Kg	9		10/23/13 17:17	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	0		10/23/13 17:17	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	D.		10/23/13 17:17	
cis-1,3-Dichloropropene	<5.3		5.3	0.70		0-		10/23/13 17:17	1
Dibromochloromethane	<5.3		5.3	0.93		0		10/23/13 17:17	1
1.1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	0		10/23/13 17:17	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	0-		10/23/13 17:17	1
1,1-Dichloroethene	<5.3		5.3	0.86	ug/Kg	0		10/23/13 17:17	1
1.2-Dichloropropane	<5.3		5.3	0.81	ug/Kg	0		10/23/13 17:17	1
1,3-Dichloropropene, Total	<5.3		5.3	0.70	ug/Kg	Ú.		10/23/13 17:17	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	0:		10/23/13 17:17	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	<i>p</i>		10/23/13 17:17	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	0		10/23/13 17:17	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	0		10/23/13 17:17	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	0		10/23/13 17:17	1
Methyl tert-butyl ether	<5.3		5.3	0.88	ug/Kg	Ó		10/23/13 17:17	4
Styrene	<5.3		5.3	0.70	ug/Kg	0		10/23/13 17:17	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	D		10/23/13 17:17	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	D		10/23/13 17:17	1
Toluene	<5.3		5.3	0.75	ug/Kg	0-		10/23/13 17:17	
rans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	ġ.		10/23/13 17:17	1
rans-1,3-Dichloropropene	<5.3		5.3	0.95	ug/Kg	0		10/23/13 17:17	1
1,1,1-Trichloroethane	<5.3		5.3	0.80	ug/Kg	o.		10/23/13 17:17	
1, 1, 2-Trichloroethane	<5.3		5.3	0.73	ug/Kg	p.		10/23/13 17:17	1
Trichlaroethene	<5.3		5.3	0.88	ug/Kg	-		10/23/13 17:17	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	Ō.		10/23/13 17:17	
Xylenes, Total	<11		11	0.48	ug/Kg	Ø		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 Compou	nds (GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<860	1	860	190	ug/Kg	Ø	10/18/13 17:30	10/25/13 03:21	5
1,2-Dichlorobenzene	<860		860	190	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5
1,3-Dichlorobenzene	<860		860	180	ug/Kg	0-	10/18/13 17:30	10/25/13 03:21	5
1,4-Dichlorobenzene	<860		860	180	ug/Kg	D	10/18/13 17:30	10/25/13 03:21	5
2.2'-oxybis[1-chloropropane]	<860		860	190	ug/Kg	ō	10/18/13 17:30	10/25/13 03:21	5

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TestAmerica Job ID: 500-64981-1

Client	Samp	le Res	ults

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

Client Sample ID: RR-53(0.5-1.5)-101513	Lab Sample ID: 500-64981-18
Date Collected: 10/15/13 12:10	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 93.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
2,4,5-Trichlorophenol	<1700	-	1700	490	ug/Kg	ō	10/18/13 17:30	10/25/13 03:21	5	
2,4,6-Trichlorophenol	<1700		1700	210	ug/Kg	o.	10/18/13 17:30	10/25/13 03:21	5	
2,4-Dichlorophenol	<1700		1700	520	ug/Kg	p-	10/18/13 17:30	10/25/13 03:21	5	-
2,4-Dimethylphenol	<1700		1700	530	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	7
2,4-Dinitrophenol	<3400		3400	870	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
2,4-Dinitrotoluene	<860		860	260	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
2,6-Dinitrotoluene	<860		860	200	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
2-Chloronaphthalene	<860		860	190	ug/Kg	- 13	10/18/13 17:30	10/25/13 03:21	5	
2-Chlorophenol	<860		860	240	ug/Kg	Ċ-	10/18/13 17:30	10/25/13 03:21	5	
2-Methylnaphthalene	<860		860	220	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
2-Methylphenol	<860		860	230	ug/Kg	P	10/18/13 17:30	10/25/13 03:21	5	
2-Nitroaniline	<860		860	310	ug/Kg	ō.	10/18/13 17:30	10/25/13 03:21	5	
2-Nitrophenol	<1700		1700	270	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
3 & 4 Methylphenol	<860		860	320	ug/Kg	o.	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	0	10/18/13 17:30	10/25/13 03:21	5	
4, 6-Dinitro-2-methylphenol	<1700		1700	410	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
4-Bromophenyl phenyl ether	<860		860	190	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
4-Chloro-3-methylphenol	<1700		1700	810	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
4-Chloroaniline	<3400		3400	520	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
4-Chlorophenyl phenyl ether	<860		860	270	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
4-Nitroaniline	<1700		1700	350	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
4-Nitrophenol	<3400		3400	920	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Acenaphthene	<170		170	51	ug/Kg	o.	10/18/13 17:30	10/25/13 03:21	5	
Acenaphthylene	<170		170	39	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Anthracene	<170		170	40	ug/Kg	0	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	Ū.	10/18/13 17:30	10/25/13 03:21	5	
Benzo[b]fluoranthene	290		170	33	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Benzo[g,h,i]perylene	380		170	57	ug/Kg	a	10/18/13 17:30	10/25/13 03:21	5	
Benzo[k]fluoranthene	92	al	170	41	ug/Kg	ö.	10/18/13 17:30	10/25/13 03:21	5	
Bis(2-chloroethoxy)methane	<860		860	190	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Bis(2-chloroethyl)ether	<860		860	250	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Bis(2-ethylhexyl) phthalate	<860		860	230	ug/Kg	8	10/18/13 17:30	10/25/13 03:21	5	
Butyl benzyl phthalate	<860		860	210	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Carbazole	<860		860	240	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Chrysene	550		170	38	ug/Kg	o.	10/18/13 17:30	10/25/13 03:21	5	
Dibenz(a,h)anthracene	89	J	170	48	ug/Kg	05	10/18/13 17:30	10/25/13 03:21	5	
Dibenzofuran	<860	0	860	200	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Diethyl phthalate	<860		860	280	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Dimethyl phthalate	<860		860	210	ug/Kg	0-	10/18/13 17:30	10/25/13 03:21	5	
Di-n-butyl phthalate	<860		860	210	ug/Kg	ō.	10/18/13 17:30	10/25/13 03:21	5	
Di-n-octyl phthalate	<860		860	350	ug/Kg	ò.	10/18/13 17:30	10/25/13 03:21	5	
Fluoranthene	210		170	70	ug/Kg	0-	10/18/13 17:30	10/25/13 03:21	5	
Fluorene	<170		170	39	ug/Kg	0.	10/18/13 17:30	10/25/13 03:21	5	
Hexachlorobenzene	<340		340	33	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Hexachlorobutadiene	<860		860	220	ug/Kg	o	10/18/13 17:30	10/25/13 03:21	5	
Hexachlorocyclopentadiene	<3400		3400	790	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5	
Hexachlorocyclopentadiene	<860		860		ug/Kg	œ.	10/18/13 17:30	10/25/13 03:21	5	

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Aven	nue - 021						TestAmeri	ca Job ID: 500-	64981-1
lient Sample ID: RR-53	(0.5-1.5)-101513						Lab Samp	le ID: 500-64	981-18
ate Collected: 10/15/13 12:1	0							Matri	x: Solid
ate Received: 10/16/13 07:0	0							Percent Soli	ds: 93.9
		1. 100.00							
vlethod: 8270D - Semivolati Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ndeno[1,2,3-cd]pyrene	130	J	170	57	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5
sophorone	<860		860	190	ug/Kg	o.	10/18/13 17:30	10/25/13 03:21	5
laphthalene	<170		170	33	ug/Kg	10F	10/18/13 17:30	10/25/13 03:21	5
litrobenzene	<170		170	53	ug/Kg	Qr.	10/18/13 17:30	10/25/13 03:21	5
-Nitrosodi-n-propylamine	<860		860	220	ug/Kg	Ċ-	10/18/13 17:30	10/25/13 03:21	5
I-Nitrosodiphenylamine	<860		860	230	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5
Pentachlorophenol	<3400		3400	870	ug/Kg	0	10/18/13 17:30	10/25/13 03:21	5
henanthrene	220		170	71	ug/Kg	ta.	10/18/13 17:30	10/25/13 03:21	5
Phenol	<860		860	270		¢.	10/18/13 17:30	10/25/13 03:21	5
yrene	300		170	61	ug/Kg	0	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
-Fluorobiphenyl	76		25 - 119				10/18/13 17:30	10/25/13 03:21	5
-Fluorophenol	75		25 - 110				10/18/13 17:30	10/25/13 03:21	5
litrobenzene-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
erphenyl-d14	81		36 - 134				10/18/13 17:30	10/25/13 03:21	5
Method: 6010B - Metals (ICF Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Inaryte	<0.050	wudinitei	0.050	0.010			10/25/13 08:00	10/26/13 03:10	1
Barium	0.23	18	0.50	0.010			10/25/13 08:00	10/26/13 03:10	
leryllium	<0.0040	96	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	-
Chromium	<0.027	4	0.025	0.010			10/25/13 08:00	10/26/13 03:10	
obalt	0.0070	1	0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 03:10	
Copper	<0.025	0	0.025	0.010	mg/L		10/25/13 08:00	10/26/13 03:10	4
on	0.26		0.20	0.20	- CC		10/25/13 08:00	10/26/13 03:10	1
ead	<0.0075		0.0075	0.0050			10/25/13 08:00	10/26/13 03:10	1
Aanganese	1.3		0.025	0.010			10/25/13 08:00	10/26/13 03:10	1
lickel	0.019	J	0.025	0.010			10/25/13 08:00	10/26/13 03:10	
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			10/25/13 08:00	10/26/13 03:10	
linc	0.14		0.10	0.020			10/25/13 08:00	10/26/13 03:10	1
Method: 6010B - Metals (ICF	D) SDI D Eser								
vietnod: 6010B - Mietals (ICH Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	Automativa	0.050	0.010			10/27/13 14:30	10/29/13 04:34	1
	0.089	4	0.50	0.010			10/27/13 14:30	10/29/13 04:34	1
	<0.0040	1	0.0040	0.0040			10/27/13 14:30	10/29/13 04:34	1
	<0.0050		0.0050	0.0020			10/27/13 14:30	10/29/13 04:34	1
teryllium			0.025	0.010			10/27/13 14:30	10/29/13 04:34	1
Beryllium Cadmium		4		0.010			10/27/13 14:30	10/29/13 04:34	1
Seryllium Sadmium Chromium	0.012	J		0.0050	mall				
teryllium Cadmium Chromium Cobalt	0.012 <0.025		0.025	0.0050					
Seryllium Cadmium Chomium Cobalt Copper	0.012 <0.025 0.024		0.025 0.025	0.010	mg/L		10/27/13 14:30	10/29/13 04:34	1
Beryllium Cadmium Sobalt Copper Fon	0.012 <0,025 0,024 8,8		0.025 0.025 0.20	0.010	mg/L mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 04:34 10/29/13 04:34	1
Beryillum Cadmium Cobalt Copper ron .ead	0.012 <0.025 0.024 8.8 0.042		0.025 0.025 0.20 0.0075	0.010 0.20 0.0050	mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 04:34 10/29/13 04:34 10/29/13 04:34	1 1 1
Barium Seryllium Cadmium Cobalt Copper ron .ead Wanganese Vickel	0.012 <0,025 0,024 8,8	J	0.025 0.025 0.20	0.010 0.20 0.0050	mg/L mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 04:34 10/29/13 04:34	1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 021	Client	t Sample F	vesuits			TestAmeri	ca Job ID: 500-6	54981-1
Client Sample ID: RR-53(0.5-1.5)-10151 ate Collected: 10/15/13 12:10 ate Received: 10/16/13 07:00	3					Lab Samp	le ID: 500-64 Matri	981-18 x: Solid
Method: 6010B - Metals (ICP) - SPLP East (Co Analyte Resu	ntinued) It Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver <0.02		0.025	0.0050	mg/L		10/27/13 14:30	10/29/13 04:34	1
Zinc 0.1	0	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 04:34	1
Method: 6010B - Total Metals								
Analyte Resu	lt Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum 230		10	0.96		a	10/17/13 09:45	10/19/13 04:38	1
Antimony <5		5.2		mg/Kg	G	10/17/13 09:45	10/23/13 18:49	5
Arsenic 3	-	2.6		mg/Kg	0	10/17/13 09:45	10/23/13 18:49	5
	6	2,6	0.28		õ	10/17/13 09:45	10/23/13 18:49	5
Beryllium 0.2		1.0	0.092		Q	10/17/13 09:45	10/23/13 18:49	5
Cadmium 0.4		0.52	0.066		0	10/17/13 09:45	10/23/13 18:49	5
Calcium 17000		52		mg/Kg	0	10/17/13 09:45	10/23/13 18:49	5
Chromium 5		0.52	0.061	mg/Kg	0	10/17/13 09:45	10/19/13 04:38	1
Cobalt 2		1.3	0.093		a	10/17/13 09:45	10/23/13 18:49	5
	5	2.6	0.23	mg/Kg	0	10/17/13 09:45	10/23/13 18:49	5
lron 621		52	21	mg/Kg	0	10/17/13 09:45	10/23/13 18:49	5
	6 B	1.3	0.39		O.	10/17/13 09:45	10/24/13 13:36	5
Magnesium 10000		26	5.4	mg/Kg	ö	10/17/13 09:45	10/23/13 18:49	5
Manganese 29		2.6	0.14	mg/Kg	0	10/17/13 09:45	10/23/13 18:49	5
Nickel 6		2.6	0.26	mg/Kg	ä	10/17/13 09:45	10/23/13 18:49	5
Potassium 100		26	1.6		Ø.	10/17/13 09:45	10/19/13 04:38	1 5
Selenium <2	61	2.6	0.93	mg/Kg	0	10/17/13 09:45	10/23/13 18:49	
Silver <1		1.3	0.094	mg/Kg	à	10/17/13 09:45	10/23/13 18:49	5
Sodium 40	-	52	7.0		0	10/17/13 09:45	10/19/13 04:38	
Strontium 5 Thallium <2	3 B ^	0.26	0.010		¢.	10/17/13 09:45	10/19/13 04:38 10/23/13 18:49	1
		1.3			dr.	10/17/13 09:45	10/23/13 18:49	5
	2 B 8 B	5.2		mg/Kg mg/Kg	0-	10/17/13 09:45	10/23/13 18:49	5
2 mg	0.0	3.2	1.1	inging		10/1/13 03:45	10/24/13 13:30	5
Method: 7470A - Mercury (CVAA) - TCLP								
	lt Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury <0.2	0	0.20	0.020	ug/L		10/25/13 15:20	10/28/13 17:38	1
Method: 7470A - Mercury (CVAA) - SPLP Eas								
Analyte Resu		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury 0.03	7 J	0.20	0.020	ug/L	-	10/29/13 12:00	10/29/13 17:51	1
Method: 7471B - Mercury in Solid or Semisol					D	Dean suid	Analyzed	DUST
	It Qualifier	RL 16		Unit	- D	Prepared 10/18/13 15:00	Analyzed 10/21/13 10:40	Dil Fac
Mercury	1	10	7.6	ug/Kg	21	10/18/13 15:00	10/21/13 10:40	- 1
General Chemistry								
	It Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH 8.6	0	0.200	0.200	SU			10/22/13 08:40	1

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	Definitions/Glossary
	n Solutions, Inc. TestAmerica Job ID: 500-64981
Project/Site: IE	DOT - New Avenue - 021
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
A A A A A A A A A A A A A A A A A A A	Qualifier Description ICV.CCV.ICB.CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related OC exceeds the control limits.
в	Compound was found in the blank and sample.
4	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.
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
ac	Duality 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)

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TestAmerica Job ID: 500-64981-1

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A	A
Certification	Summary

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

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	
lowa	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-O	04-30-14	

TestAmerica Chicago

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THE LEADER IN ENVIRONMENTAL 2417 Bord Street, University Park, IL 60 Phome: 706.534,5200 Fax: 706.534		O E BU	Whak Utions lu N/Kr Ct S 115, IL 60 1000	Con Con Con Con Con Con Con Con	Bill To [cpilonal] Contact: S RWE Company:			Chain of Custody Re Lab Job #: 500-6498 Chain of Custody Number. Page 2 of 2			
	500-64981 COC	Fax: 0	11. 118-	-10-22	Fax PO	ll	J.		Temper	ature *C of Cocler.	3,7
Weston Solutions Inc.	Cilent Project #	021	Preservative							- 1	Preservative Key HCL, Cool to 4º
ject Name 1007 021 - New Ave ject Localion/State LLMONT TL	Lab Project #		Parameter			CP S				. 3 4 5 6 7	H2SO4, Cool to 4* HNO3, Cool to 4* NaOH, Cool to 4* NaOH/Zn, Cool to 4* NaHSO4 Cool to 4* None
M. Doheny-skubic	DWR	ight	50	OCS	JCs	Mutuls TELZ/SALP	-				. Other
B Semple ID		Sampling Date Time	# of Containers Matrix	3	SVOCS	MU	Hd	0.01		1.1	Comments
RR-27(0.5-1.5)	-101513 10-	15-13 0815		\times	X>	XX	>				adit forma
VL42-10 (0.5-1,5)-101513 10-	15-13 0845		\times	\times	\times	X				
VL42-10(0.5-1,5	1)-101513010	-15-13 0845		XX	\times	$\prec \times$	X				
VL42-9(0-5-1-	5)-101513 10-	-15-13 0855	25	\times	$\langle \rangle$	$< \times$	X				
VL42-960-5-1.5 VL42-B(0.5-1.5 VL42-7(0.5-1.5 VL42-7(0.5-1.5 VL42-6(0.5-1.5)-10/513 10-	15-13 0902		\times	\times	$< \times$	X				
VL42-7(0.5-15				\times	\times	$\times \times$	X				
VL42-6(0.5-1.5	5)-101512 10.	15-13 0930		\times	\times	<	X	-			
VL42-5(0.5-1.5				\times	$\langle \rangle$	$<$ \times	\times				
V142-4(0.5-1.0				XX	\times	$\times \times$	X				
VL42-3(0.5-1-1	0)-101513 10	-1513 1015	25	XX	< >	\times	\times		1.1.1.1		-
narownd Time Required (Basiness Days) 1 Day2 Days5 Days7 Day uested Due Date beddhed ByCempany mar the two the two the two the two two neutobed ByCempany	Date STOM Date	ys <u>Stankerd</u> 10-15-13	Time 1525 Time	n to Client	Disposel t	Demphily Company	hive for	Months (A fee n	nay be assessed if samples	Lab Courier	n 1 month) TA
Inquished By Company	4 10-1 Date	5-13 16	20 Time	Received By	narc	Company	TTL I	Data CALS	Time	Shipped Hand Delivered	
Matrix Key Matrix Key - Water SE - Sediment. - Water SO - Soli - Solid L - Leschate - Sludge Wil – Wipe - Macollaneous DW – Winking Watu - Oil O – Other	Client Comments						Lab Comments:			UTENT DAIMARK	
	-			De	age 163 o	LACE	-				10/30/2019

No. of the local data	IEL LEADER IN ENVIRONMENTAL TESTING 2417 Gred Glevel Lowershing and Market All States			NC	Bill To Contact: Company:	51	AME		Chain of Custody Record			
2417 Bond Street, University Park, 1 Phone: 708.534.5200 Fax: 708.		Address: VERN		. TL 60	061	Address: Address: Phone:				1	in of Custody Number:	
			47-918-	4055		Fax:		J		Temperature °C of Cooler: 3/)		
lent	Client Project #	E-Mail:	Preservative	-		PO#/Refere	nce#	-				servative Key
Neston Solutions Inc.		021	Parameter	-		-					1.º HCL, 2. H2SO	Cool to 4° 4, Cool to 4° , Cool to 4°
DGT 021- NEW AVENU	Lab Project #		1.1				0				4. NaOH	, Cool to 4º /Zn, Cool to 4º
emont, IL	rap Poleor#						R				6. NaHS 7, Coolt	04
M. Doheny-skubic	Lab PM D. WRI	oht		3	S	reteals	rcup/spup				8, None 9, Other	2.4.
	1		eg G	õ	0	15	うち	_			3, 0018	
a CSWSW Sampla ID		Sampling Date Time	# of Contain Matrix	>	SVOUS	TCL ME	FE	Hd			Comms	nts
VL42-2 (0.5-15)-101513 10	45-13 1030	25	X	\times	\times	X	\times				
2 VL42-1(0.5-1.5)-10151310.	15-13 1045	25	×	X	×	\times	×			1	
3 VL41-4(0.5-1-	5)-101513 10	15-3 1100	25	\times	×	X	×	X				
K VI41-4(0.5-1.	5)-10151312 10.	-15-13 1100	25	X	×	X	X	\times	100			
5 VI41-3(0-0.9		15-13 1115	25	X	X	X	X	X				
VL41-2(00.5		15-13 1135	25	X	V	\bigtriangledown	V	X		-		
 VL42-2 (0.5-15 VL42-1 (0.5-15 VL41-4 (0.5-15 VL41-4 (0.5-15 VL41-4 (0.5-15 VL41-3 (0-0.5 VL41-2 (00.5 VL41-1 (0-0.5 VL41-1 (0-0.5 VL41-1 (0-0.5 VL41-1 (0-0.5 R2-53 (0.5-15 	2	15-13 1145	25	$\langle \rangle$	C	\bigcirc	>	\leq				2
2 100000 000			25	0	\bigcirc	\bigcirc	S	$\langle \rangle$				
₩ RR-53(0.5	~ ~	15-13 1210		\bigcirc	$\langle \rangle$	0	$\langle \rangle$	5	1			
		15-13 1230	25	5	5	5	5	~				
0 RR-51(0-0-5)-101513 10.	15-13 1255	25	\times	X	\times	X	X				
rnaround Time Required (Business Days) 1 Day2 Days5 Days7 D squested Due Date iinquished By Company	ays 10 Days 15 Da		Sample Dispo	isal 1 to Client		oosal by Lab	Arch		Months (A fee		ples are retained longer than 1 mor	utri)
matory all we	story	0-15-2013	1525	X	en	14	TA		75-13	1525	Lab Courier	A
Inclusive By Company	A Dote	15-13 1	1620	Precement By	uno,	lot	STA-	CHE	Date 10/16/13	0700	Shipped	
inquished By Company	Date		line	Fecelved By		(company	-4 14	Date	Timo	Hand Delivered	
Matrix Key	Client Comments	5.1					- 1	Lab Comments:			Them of the owned of the	
WP – Wastowater SE – Sediment. /- Water SO – Soil - Soil L – Leachate L – Sludge WI – Wipe SS – Misoillansous DW – Drinking W N – OR O – Other	ster											
	-				Page 16	1 of 165					1	0/30/2013**

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

For:

LINKS

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www.testamericainc.com

Visit us at:

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

Attn: Mr. S. Babusukumar

Rillh

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	Lab Sample ID: 500-64900-8
Date Collected: 10/14/13 15:05	Matrix: Solid
Date Received: 10/15/13 06:00	Percent Solids: 81.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.7	ug/Kg	0		10/17/13 14:26	1
Benzene	<6.1		6.1	0,84	ug/Kg	o o		10/17/13 14:26	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	D		10/17/13 14:26	1
Bramoform	<6.1		6.1	1.4	ug/Kg	n.		10/17/13 14:26	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	0		10/17/13 14:26	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	ġ.		10/17/13 14:26	1
Carbon tetrachloride	<6.t		6.1	1.1	ug/Kg	0.		10/17/13 14:26	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	0.		10/17/13 14:26	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	- 01		10/17/13 14:26	1
Chloroform	<6.1		6.1	0.71	ug/Kg	9		10/17/13 14:26	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	0		10/17/13 14:26	1
tis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	0		10/17/13 14:26	1
sis-1,3-Dichloropropene	<6.1		6.1	0.81	ug/Kg	05		10/17/13 14:26	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	0		10/17/13 14:26	4
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	a		10/17/13 14:26	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	0-		10/17/13 14:26	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	0		10/17/13 14:26	1
1.2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	0		10/17/13 14:26	
1,3-Dichloropropene, Total	<6.1		6.1	0.91	ug/Kg	Ó.		10/17/13 14:26	1
Ethylbenzene	<6.t		6.1		ug/Kg	0.		10/17/13 14:26	1
Hexanone	<6.1		6.1	1.8	ug/Kg	p.		10/17/13 14:26	1
Methylene Chloride	<6.1		6.1		ug/Kg	0		10/17/13 14:26	1
Methyl Ethyl Ketone	<6.1		6.1	2.2		0		10/17/13 14:26	1
nethyl isobutyl ketone	<6.1		6.1		ug/Kg	0		10/17/13 14:26	1
Nethyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	ó		10/17/13 14:26	4
Styrene	<6.1		6.1	0.81	ug/Kg	0		10/17/13 14:26	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2		D-		10/17/13 14:26	1
fetrachloroethene	<6.1		6.1	0.94	ug/Kg	o		10/17/13 14:26	1
Toluene	<6.1		6.1	0.86	ug/Kg	0		10/17/13 14:26	. t
rans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	0		10/17/13 14:26	1
rans-1,3-Dichloropropene	<6.1		6,1	1.1	ug/Kg	0		10/17/13 14:26	
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	o.		10/17/13 14:26	
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	¢.		10/17/13 14:26	1
Trichlaraethene	<6.1		6.1	1.0	ug/Kg			10/17/13 14:26	1
/inyl chloride	<6.1		6.1		ug/Kg	ō.		10/17/13 14:26	- T
Kylenes, Total	<12		12		ug/Kg	p.		10/17/13 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122				E	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 Compou	nds (GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
,2,4-Trichlorobenzene	<200		200	45	ug/Kg	Ø	10/18/13 21:05	10/25/13 13:41	1
,2-Dichlorobenzene	<200		200	43	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
,3-Dichlorobenzene	<200		200	41	ug/Kg	œ	10/18/13 21:05	10/25/13 13:41	1
,4-Dichlorobenzene	<200		200	41	ug/Kg	D:	10/18/13 21:05	10/25/13 13:41	1
2,2'-oxybis[1-chloropropane]	<200		200	44	ug/Kg	ō	10/18/13 21:05	10/25/13 13:41	1

TestAmerica Chicago

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TestAmerica Job ID: 500-64900-1

10/25/13 13:41

10/25/13 13:41

10/25/13 13:41

10/25/13 13:41

01		•		-	
CI	ient	San	nple	Res	ults

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

2-Chloronaphthalene

2-Methylnaphthalene 2-Methylphenol

2-Chlorophenol

2-Nitroaniline

Client Sample ID: RR-30(0.5-1.5)-101413					Lab Sample ID: 500-64900-8						
Date Collected: 10/14/13 15:05	5							Matri	x: Solid			
Date Received: 10/15/13 06:00 Percent Solids: 81.												
Method: 8270D - Semivolatil	e Organic Compou	inds (GC/MS)	(Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
2,4,5-Trichlorophenol	<390		390	110	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1			
2,4,6-Trichlorophenol	<390		390	50	ug/Kg	o.	10/18/13 21:05	10/25/13 13:41				
2,4-Dichlorophenol	<390		390	120	ug/Kg	ØF	10/18/13 21:05	10/25/13 13:41				
2,4-Dimethylphenol	<390		390	120	ug/Kg	Q.	10/18/13 21:05	10/25/13 13:41	3			
2,4-Dinitrophenol	<800		800	200	ug/Kg	0	10/18/13 21:05	10/25/13 13:41				
2,4-Dinitrotoluene	<200		200	60	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	f			
2,6-Dinitratoluene	<200		200	47	ug/Kg	0	10/18/13 21:05	10/25/13 13:41				

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10/18/13 21:05

10/18/13 21:05

10/18/13 21:05

· 10/18/13 21:05

10/18/13 21:05 10/25/13 13:41

44 ug/Kg

56 ug/Kg

51 ug/Kg

52 ug/Kg

71 ug/Kg

2-INItroaniline	\$200	200	11	ug/kg	-	10/18/13 21:05	10/20/10 10:41	
2-Nitrophenol	<390	390	62	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
3 & 4 Methylphenol	<200	200	75	ug/Kg	o.	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	0	10/18/13 21:05	10/25/13 13:41	1
4-Bromophenyl phenyl ether	<200	200	44	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	- 1
4-Chloro-3-methylphenol	<390	390	190	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
4-Chloroaniline	<800	800	120	ug/Kg	o	10/18/13 21:05	10/25/13 13:41	1
4-Chlorophenyl phenyl ether	<200	200	62	ug/Kg	D.	10/18/13 21:05	10/25/13 13:41	4
4-Nitroaniline	<390	390	81	ug/Kg	ō	10/18/13 21:05	10/25/13 13:41	1
4-Nitrophenol	<800	800	210	ug/Kg	ø	10/18/13 21:05	10/25/13 13:41	1
Acenaphthene	<39	39	12	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Acenaphthylene	20 J	39	9.1	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Anthracene	34 J	39	9.3	ug/Kg	0	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	0	10/18/13 21:05	10/25/13 13:41	1
Benzo[b]fluoranthene	310	39	7.7	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Benzo[g,h,i]perylene	270	39	13	ug/Kg	C	10/18/13 21:05	10/25/13 13:41	1
Benzo[k]fluoranthene	140	39	9.4	ug/Kg	Ő.	10/18/13 21:05	10/25/13 13:41	1
Bis(2-chloroethoxy)methane	<200	200	44	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Bis(2-chloroethyl)ether	<200	200	58	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Bis(2-ethylhexyl) phthalate	60 J	200	52	ug/Kg	Ċ.	10/18/13 21:05	10/25/13 13:41	1
Butyl benzyl phthalate	<200	200	49	ug/Kg	o	10/18/13 21:05	10/25/13 13:41	1
Carbazole	<200	200	55	ug/Kg	(D -	10/18/13 21:05	10/25/13 13:41	1
Chrysene	320	39	8.9	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Dibenz(a,h)anthracene	70	39	11	ug/Kg	05	10/18/13 21:05	10/25/13 13:41	.t
Dibenzofuran	<200	200	47	ug/Kg	Ū.	10/18/13 21:05	10/25/13 13:41	1
Diethyl phthalate	<200	200	66	ug/Kg	Q.	10/18/13 21:05	10/25/13 13:41	
Dimethyl phthalate	<200	200	49	ug/Kg	(OF	10/18/13 21:05	10/25/13 13:41	t
Di-n-butyl phthalate	<200	200	50	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Di-n-octyl phthalate	<200	200	80	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Fluoranthene	370	39	16	ug/Kg	D-	10/18/13 21:05	10/25/13 13:41	
Fluorene	<39	39	9.0	ug/Kg	0-	10/18/13 21:05	10/25/13 13:41	1
Hexachlorobenzene	<80	80	7.8	ug/Kg	0	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	
Hexachlorocyclopentadiene	<800	800	180	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Hexachloroethane	<200	200	42	ug/Kg	0P	10/18/13 21:05	10/25/13 13:41	1

TestAmerica Chicago

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10/28/2013

lient: Weston Solutions, Inc.			t Sample F				TestAmeri	ca Job ID: 500-	64900-1
roject/Site: IDOT - New Avenu		_					Lab Com	nia ID: 500.0	1000 0
lient Sample ID: RR-30(a start						Lap Sam	ple ID: 500-6	
ate Collected: 10/14/13 15:05									x: Solid
ate Received: 10/15/13 06:00	e							Percent Soli	ds: 81.5
Method: 8270D - Semivolatile	Organic Compou	nde (GC/M	S) (Continued)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	180		39	13	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Isophorone	<200		200	44	ug/Kg	Ó.	10/18/13 21:05	10/25/13 13:41	1
Naphthalene	19	J	39	7.6	ug/Kg	D-	10/18/13 21:05	10/25/13 13:41	
Nitrobenzene	<39		39	12	ug/Kg	Ör.	10/18/13 21:05	10/25/13 13:41	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	Ċ.	10/18/13 21:05	10/25/13 13:41	1
N-Nitrosodiphenylamine	<200		200	53	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
Pentachlorophenol	<800		800	200	ug/Kg	0.	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	œ	10/18/13 21:05	10/25/13 13:41	1
Pyrene	330		39	14	ug/Kg	0	10/18/13 21:05	10/25/13 13:41	1
	550							and the second	
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)									
Analyte	1110.000	Qualifier	RL	MDL		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	4	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
	<0.025		0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 17:03	1
Silver	0.49	B	0.10	0.020	mg/L		10/21/13 07:15	10/21/13 17:03	1
Silver Zinc	100								
Zinc Method: 6010B - Metals (ICP)) - SPLP East			-	10.0			1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	and the second
Zinc Method: 6010B - Metals (ICP) Analyte) - SPLP East Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic) - SPLP East Result 0.048	J	0.050	0.010	mg/L	D	10/21/13 07:15	10/21/13 19:08	Dil Fac
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium) - SPLP East Result 0.048 0.80	J	0.050 0,50	0.010 0.010	mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08	1
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Beryllium) - SPLP East Result 0.048 0.80 <0.0040	J	0.050 0.50 0.0040	0.010 0.010 0.0040	mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Beryllium Cadmium) - SPLP East Result 0.048 0.80 <0.0040 <0.0040	J	0.050 0.50 0.0040 0.0050	0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	1 1 1
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barlum Beryllium Cadmium Chromium) - SPLP East Result 0.048 0.80 <0.0040 <0.0050 0.083	J B	0.050 0,50 0.0040 0.0050 0.025	0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	1 1 1 1
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Baryllium Cadmium Cadmium Chromium Cobalt) - SPLP East Result 0.048 0.80 <0.0040 <0.0050 0.083 0.021	J B	0.050 0,50 0.0040 0.0050 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	t 1 1 1 1
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper) - SPLP East Result 0.048 0.80 <0.0040 <0.0040 <0.0040 0.0050 0.083 0.021 0.096	J B	0.050 0.50 0.0040 0.0050 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	1 1 1 1 1 1 1
Zinc Method: 6010B - Metals (ICP) Anayte Arsenic Barium Cerdmium Chromium Cobalt Copper Iron) - SPLP East Result 0.048 0.80 <0.0040 <0.0040 0.083 0.021 0.096 80	J B	0.050 0.50 0.0040 0.0050 0.025 0.025 0.025 0.025 0.20	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	t 1 1 1 1 1 1 1
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron) - SPLP East Result 0.048 0.80 <0.0040 <0.0040 <0.0040 0.0050 0.083 0.021 0.096	J B	0.050 0.50 0.0040 0.025 0.025 0.025 0.25 0.20 0.20 0.0075	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	1 1 1 1 1 1 1
Zinc Method: 6010B - Metals (ICP) Analyte) - SPLP East Result 0.048 0.80 <0.0040 <0.0050 0.050 0.021 0.096 80 0.16 0.47	J B	0.050 0.50 0.0040 0.025 0.025 0.025 0.025 0.20 0.20 0.0075 0.025	0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	t 1 1 1 1 1 1 1
Zinc Method: 6010B - Metals (ICP) Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead) - SPLP East Result 0.048 0.80 <0.0040 <0.0050 0.083 0.021 0.096 80 0.16	J	0.050 0.50 0.0040 0.025 0.025 0.025 0.25 0.20 0.20 0.0075	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08 10/21/13 19:08	t 1 1 1 1 1 1 1 1

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ient: Weston Solutions, Inc. oject/Site: IDOT - New Avenue - 0	21			Results			TestAmeri	ca Job ID: 500-	64900-1
lient Sample ID: RR-30(0.5-1 ate Collected: 10/14/13 15:05 ate Received: 10/15/13 06:00	1.5)-101413						Lab Sam	ple ID: 500-6 Matri	4900-8 ix: Solid
Method: 6010B - Metals (ICP) - SP Analyte	the second s	tinued) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	C. C	0.025	0.0050	mg/L		10/21/13 07:15	10/21/13 19:08	1
linc	0.80	в	0.10	0.020	mg/L		10/21/13 07:15	10/21/13 19:08	1
Method: 6010B - Total Metals									
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Muminum	8300	B	12	1.1	mg/Kg	a	10/16/13 16:00	10/17/13 15:33	1
Antimony	<1.2		1.2	0.46	mg/Kg	Ģ	10/16/13 16:00	10/17/13 15:33	1
Irsenic	13		0.58	0.11	mg/Kg	0	10/16/13 16:00	10/17/13 15:33	4
Barium	72		0,58	0.062	mg/Kg	ō	10/16/13 16:00	10/17/13 15:33	1
eryllium	0.72		0.23	0.020	mg/Kg	Ø	10/16/13 16:00	10/17/13 15:33	1
admium	0.59		0.12	0.015	mg/Kg	D.	10/16/13 16:00	10/17/13 15:33	1
alcium	51000	В	12	3.1	mg/Kg	Ø.	10/16/13 16:00	10/17/13 15:33	1
hromium	21		0.58	0.067	mg/Kg	0	10/16/13 16:00	10/17/13 15:33	1
obalt	7.8		0.29	0.021	mg/Kg	a	10/16/13 16:00	10/17/13 15:33	1
opper	34	B	0.58	0.051	mg/Kg	0	10/16/13 16:00	10/17/13 15:33	1
on	20000		12	4.7	mg/Kg	Q	10/16/13 16:00	10/17/13 15:33	1
ead	120		0.29	0.086	mg/Kg	CF.	10/16/13 16:00	10/17/13 15:33	1
lagnesium	25000		5.8	1.2	mg/Kg	ö	10/16/13 16:00	10/17/13 15:33	1
langanese	450		0.58	0.031	mg/Kg	0	10/16/13 16:00	10/17/13 15:33	1
lickel	21	B	0.58	0.057	mg/Kg	ä	10/16/13 16:00	10/17/13 15:33	1
Potassium	1800	В	29	1.7	mg/Kg	Q.	10/16/13 16:00	10/17/13 15:33	1
Selenium	<0.58		0.58	0.20	mg/Kg	D.	10/16/13 16:00	10/17/13 15:33 10/17/13 15:33	1
ilver	<0.29		58	0.021	mg/Kg mg/Kg	ò	10/16/13 16:00	10/17/13 15:33	
odium	1400		0.29	0.012	mg/Kg	ö	10/16/13 16:00	10/17/13 15:33	
Strontium	0.30	Ĵ	0.29	0.012	mg/Kg mg/Kg	œ	10/16/13 16:00	10/17/13 15:33	-
nanium /anadium	21		0.38	0.043	mg/Kg	ġ.	10/16/13 16:00	10/17/13 15:33	
linc	100	в	1.2	0.23	mg/Kg	0-	10/16/13 16:00	10/17/13 15:33	1
Method: 7470A - Mercury (CVAA) Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L	-2	10/21/13 12:00	10/22/13 10:19	1
Method: 7470A - Mercury (CVAA)	- SPI P Faet								
Analyte	- SPLP East Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aercury	0.12		0.20	0.020	ug/L		10/21/13 12:00	10/22/13 12:51	1
				-	-				
Method: 7471B - Mercury in Solid		a standard and a standard and				D	Draparad	Anobroad	DUE
Analyte	Result	Qualifier	20 RL	MDL 9.4	Unit	- D	Prepared 10/17/13 15:15	Analyzed 10/18/13 10:31	Dil Fac
Mercury	48		20	9.4	ug/Kg	24	10/1/13 15:15	10/10/13 10:31	4
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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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 Lab Sample ID: 500-64900-9 Date Collected: 10/14/13 15:12 Matrix: Solid Date Received: 10/15/13 06:00 Percent Solids: 91.8

Method: 8260B - VOC Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	24	ug/Kg	ō		10/17/13 14:50	1
Benzene	<5.4		5.4	0.75	ug/Kg	ø		10/17/13 14:50	1
Bromodichloromethane	<5.4		5.4	0.94	ug/Kg	D		10/17/13 14:50	1
Bromoform	<5.4		5.4		ug/Kg	a.		10/17/13 14:50	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	0		10/17/13 14:50	1
Sarbon disulfide	<5.4		5.4	0.81	ug/Kg	ġ.		10/17/13 14:50	1
Carbon tetrachloride	<5.4		5.4	0.99	ug/Kg	0.1		10/17/13 14:50	1
Chlorobenzene	<5.4		5.4	0.55	ug/Kg	0.		10/17/13 14:50	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	0		10/17/13 14:50	1
Chloroform	<5.4		5.4	0.63	ug/Kg	91		10/17/13 14:50	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	0		10/17/13 14:50	1
tis-1,2-Dichloroethene	<5.4		5.4	0.77		U.		10/17/13 14:50	
is-1,3-Dichloropropene	<5.4		5.4	0.71	ug/Kg	05		10/17/13 14:50	
Dibromochloromethane	<5.4		5.4	0.95	ug/Kg	0		10/17/13 14:50	4
,1-Dichloroethane	<5.4		5.4	0,86	ug/Kg	a		10/17/13 14:50	1
.2-Dichloroethane	<5.4		5.4	0.81	ug/Kg	0-		10/17/13 14:50	1
1-Dichloroethene	<5.4		5.4	0.88	ug/Kg	0		10/17/13 14:50	4
.2-Dichloropropane	<5.4		5.4	0.83	ug/Kg	0		10/17/13 14:50	
,3-Dichloropropene, Total	<5.4		5.4	0.71	ug/Kg	ġ.		10/17/13 14:50	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	0.		10/17/13 14:50	1
Hexanone	<5.4		5.4	1.6	ug/Kg	Ø-		10/17/13 14:50	1
Methylene Chloride	<5.4		5.4		ug/Kg	0		10/17/13 14:50	1
Aethyl Ethyl Ketone	<5.4		5.4	2.0	ug/Kg	0		10/17/13 14:50	1
nethyl isobutyl ketone	<5.4		5.4	1.4		0		10/17/13 14:50	1
Nethyl tert-butyl ether	<5.4		5.4	0.90	ug/Kg	6		10/17/13 14:50	
Styrene	<5.4		5.4	0.71	ug/Kg	0.		10/17/13 14:50	1
, 1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	D-		10/17/13 14:50	1
etrachloroethene	<5.4		5.4	0.83	ug/Kg	Ċ.		10/17/13 14:50	1
oluene	<5.4		5.4		ug/Kg	0		10/17/13 14:50	1
rans-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	0		10/17/13 14:50	
	<5.4				1000	G.		10/17/13 14:50	1
rans-1,3-Dichloropropene	<5.4		5.4	0.98	ug/Kg	0		10/17/13 14:50	1
1,1,1-Trichloroethane	<5.4		5.4 5.4	0.81	ug/Kg	0		10/17/13 14:50	
1,1,2-Trichloroethane				0.74	ug/Kg	-			1
Trichloroethene	<5.4		5.4	0.90	ug/Kg	ō.		10/17/13 14:50	
/inyl chloride	<5.4		5.4		ug/Kg			10/17/13 14:50	
Kylenes, Total	<11		31	0.49	ug/Kg	p.		10/17/13 14:50	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
I-Bromofluorobenzene (Surr)			70 - 122				1.146.01.15	10/17/13 14:50	7
Dibromofluoromethane	109		75 - 120					10/17/13 14:50	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 Compou	nds (GC/MS	5)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
,2,4-Trichlorobenzene	<1800	-	1800	410	ug/Kg	Ø	10/18/13 21:05	10/23/13 21:48	5
,2-Dichlorobenzene	<1800		1800	390	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
,3-Dichlorobenzene	<1800		1800	380	ug/Kg	œ	10/18/13 21:05	10/23/13 21:48	5
4-Dichlorobenzene	<1800		1800	380	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
2'-oxybis[1-chloropropane]	<1800		1800	400	ug/Kg	ō	10/18/13 21:05	10/23/13 21:48	5

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Client Sample Results

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

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

TestAmerica Job ID: 500-64900-1

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

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<3600	3600	1000	ug/Kg	D.	10/18/13 21:05	10/23/13 21:48	5
4,6-Trichlorophenol	<3600	3600	450	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
4-Dichlorophenol	<3600	3600	1100	ug/Kg	P	10/18/13 21:05	10/23/13 21:48	5
4-Dimethylphenol	<3600	3600	1100	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
4-Dinitrophenol	<7200	7200	1800	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
4-Dinitrotoluene	<1800	1800	550	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
6-Dinitrotoluene	<1800	1800	430	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
-Chloronaphthalene	<1800	1800	400	ug/Kg	13	10/18/13 21:05	10/23/13 21:48	5
Chlorophenol	<1800 [™]	1800	510	ug/Kg	Ċ-	10/18/13 21:05	10/23/13 21:48	5
Methylnaphthalene	<1800	1800	470	ug/Kg	0-	10/18/13 21:05	10/23/13 21:48	5
Methylphenol	<1800 *	1800	480	ug/Kg	p-	10/18/13 21:05	10/23/13 21:48	5
Nitroaniline	<1800	1800	650	ug/Kg	Ū.	10/18/13 21:05	10/23/13 21:48	5
Nitrophenol	<3600	3600	560	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
& 4 Methylphenol	<1800	1800	680	ug/Kg	ø	10/18/13 21:05	10/23/13 21:48	5
3'-Dichlorobenzidine	<1800	1800	300	ug/Kg	D	10/18/13 21:05	10/23/13 21:48	5
Nitroaniline	<3600	3600	690	ug/Kg	¢.	10/18/13 21:05	10/23/13 21:48	5
6-Dinitro-2-methylphenol	<3600	3600	870	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
Bromophenyl phenyl ether	<1800	1800	400	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
-Chloro-3-methylphenol	<3600	3600	1700	ug/Kg	o.	10/18/13 21:05	10/23/13 21:48	5
Chloroaniline	<7200	7200	1100	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
-Chlorophenyl phenyl ether	<1800	1800	570	ug/Kg	o.	10/18/13 21:05	10/23/13 21:48	5
Nitroaniline	<3600	3600	740	ug/Kg	ō	10/18/13 21:05	10/23/13 21:48	5
Nitrophenol	<7200	7200	1900	ug/Kg	ø	10/18/13 21:05	10/23/13 21:48	5
cenaphthene	<360	360	110	ug/Kg	o.	10/18/13 21:05	10/23/13 21:48	5
cenaphthylene	<360	360	83	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
nthracene	<360	360	84	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
lenzo[a]anthracene	130 J	360	75	ug/Kg		10/18/13 21:05	10/23/13 21:48	5
lenzo[a]pyrene	190 J	360	65		Ö.	10/18/13 21:05	10/23/13 21:48	5
Benzo[b]fluoranthene	220 J	360	70	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
lenzo[g,h,i]perylene	330 J	360	120	ug/Kg	σ	10/18/13 21:05	10/23/13 21.48	5
enzo[k]fluoranthene	<360	360	86	ug/Kg	ė.	10/18/13 21:05	10/23/13 21:48	5
ls(2-chloroethoxy)methane	<1800	1800	400	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
Bis(2-chloroethyl)ether	<1800	1800	530	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
is(2-ethylhexyl) phthalate	<1800	1800	480	ug/Kg	6	10/18/13 21:05	10/23/13 21:48	5
Sutyl benzyl phthalate	<1800	1800	450	ug/Kg	o	10/18/13 21:05	10/23/13 21:48	5
Carbazole	<1800	1800	500	ug/Kg	φ.	10/18/13 21:05	10/23/13 21:48	5
Chrysene	250 J	360	81	ug/Kg	ō.	10/18/13 21:05	10/23/13 21:48	5
libenz(a,h)anthracene	<360	360	100	ug/Kg	0-	10/18/13 21:05	10/23/13 21:48	5
Dibenzofuran	<1800	1600	430	ug/Kg	o.	10/18/13 21:05	10/23/13 21:48	5
Diethyl phthalate	<1800	1600	600	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
imethyl phthalate	<1800	1800	450	ug/Kg	Q-	10/18/13 21:05	10/23/13 21:48	5
i-n-butyl phthalate	<1800	1800	450	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
i-n-octyl phthalate	<1800	1800	730	ug/Kg	ò.	10/18/13 21:05	10/23/13 21:48	5
luoranthene	180 J	360	150	ug/Kg	D-	10/18/13 21:05	10/23/13 21:48	5
luorene	<360	360	82	ug/Kg	0.	10/18/13 21:05	10/23/13 21:48	5
lexachlorobenzene	<720	720	71	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
lexachlorobutadiene	<1800	1800	470	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
lexachlorocyclopentadiene	<7200	7200	1700	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
lexachlorocyclopentadiene lexachloroethane	<1800	1800	380	ug/Kg	iter	10/18/13 21:05	10/23/13 21:48	5

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roject/Site: IDOT - New Aver	nue - 021		t Sample F				TestAmeri	ca Job ID: 500-	64900-1
lient Sample ID: RR-29	(0.5-1.5)-101413						Lab Sam	ple ID: 500-6	4900-9
ate Collected: 10/14/13 15:1	4								x: Solid
ate Received: 10/15/13 06:0	00							Percent Soli	
		1.100.00							
Method: 8270D - Semivolat Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	130		360	120	ug/Kg	0	10/18/13 21:05	10/23/13 21:48	5
Isophorone	<1800		1800	400	ug/Kg	ō.	10/18/13 21:05	10/23/13 21:48	5
Naphthalene	<360		360	69	ug/Kg	Q.	10/18/13 21:05	10/23/13 21:48	5
Nitrobenzene	<360		360	110	ug/Kg	Q.	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	0	10/18/13 21:05	10/23/13 21:48	5
Pentachlorophenol	<7200		7200	1800	ug/Kg	Q.	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	Ġ.	10/18/13 21:05	10/23/13 21:48	5
Pyrene	210	J	360	130	ug/Kg	o	10/18/13 21:05	10/23/13 21:48	6
									115
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 (IC		Out of the second					Province	Analyzed	-
Analyte	11111	Qualifier	RL 0.050	MDL		D	Prepared 10/21/13 07:15	Analyzed	Dil Fac
Arsenic	<0.050			0.010	mg/L			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	
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
Management	0.41		0.025	0.010	mg/L		10/21/13 07:15	10/21/13 17:09 10/21/13 17:09	1
Manganese	10 00F			0.040	mg/L		10/21/13 11/15		
Nickel	<0.025		0.025	0.010	and a				
Nickel Selenium	<0.050		0.050	0.010	mg/L		10/21/13 07:15	10/21/13 17:09	1
Nickel Selenium Silver	<0.050 <0.025		0.050 0.025	0.010	mg/L		10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09	1
Nickel Selenium	<0.050	в	0.050	0.010			10/21/13 07:15	10/21/13 17:09	1
Nickel Selenium Silver Zinc	<0.050 <0.025 0.60	в	0.050 0.025	0.010	mg/L		10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09	1
Nickel Selenium Silver	<0.050 <0.025 0.60 P) - SPLP East	B Qualifier	0.050 0.025	0.010	mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09	1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC	<0.050 <0.025 0.60 P) - SPLP East		0,050 0.025 0,10	0.010 0.0050 0.020	mg/L mg/L Unit	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09	1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Arsenic	<0.050 <0.025 0.60 P) - SPLP East <u>Result</u> <0.050	Qualifier	0.050 0.025 0.10 RL 0.050	0.010 0.0050 0.020 MDL 0.010	mg/L mg/L Unit mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 Prepared 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 Analyzed 10/21/13 19:14	1 1 1 Dil Fac
Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (IC Analyte	≪0.050 ≪0.025 0.60 P) - SPLP East Result	Qualifier	0.050 0.025 0.10 RL	0.010 0.0050 0.020 MDL	mg/L mg/L Unit mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 Prepared	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 Analyzed	1 1 1 Dil Fac
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Arsenic Barium	<0.050 <0.025 0.60 P) - SPLP East Result <0.050 0.77	Qualifier	0.050 0.025 0.10 RL 0.060 0.50	0.010 0.0050 0.020 MDL 0.010 0.010	mg/L mg/L Unit mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 Prepared 10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 Analyzed 10/21/13 19:14 10/21/13 19:14	1 1 1 Dil Fac 1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Arsenic Barium Beryillium Cadmium	<0.050 <0.025 0.60 P) - SPLP East Result <0.050 0.77 <0.0040 <0.0050	Qualifier B	0.050 0.025 0.10 RL 0.050 0.50 0.0040 0.0050	0.010 0.0050 0.020 MDL 0.010 0.010 0.010 0.0040 0.0020	mg/L mg/L Unit mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 Prepared 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 Analyzed 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14	1 1 1 Dil Fac 1 1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Barium Barium Barium Beryllium Cadmium Chromium	<0.050 <0.025 0.60 P) - SPLP East Result <0.050 0.77 <0.040 <0.050 0.017	Qualifier B	0.050 0.025 0.10 RL 0.050 0.50 0.0040 0.0050 0.0050 0.025	0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L Mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 Prepared 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 Analyzed 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14	1 1 1 1 1 1 1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Barium Barium Beryllium Cadmium Chromium Cobalt	<0.050 <0.025 0.60 P) - SPLP East Result <0.050 0.77 <0.040 <0.050 0.017 <0.025	Qualifier B	0.050 0.025 0.10 RL 0.060 0.50 0.0040 0.0050 0.025 0.025	0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050	mg/L mg/L Mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 Prepared 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 Analyzed 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14	1 1 1 1 1 1 1 1 1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Arsenic Barsum Baryllium Cadmium Cadmium Chromium Cobalt Copper	<0.050 <0.025 0.60 P) - SPLP East <0.050 0.77 <0.0040 <0.0050 0.017 <0.025 0.033	Qualifier B	0.050 0.025 0.10 RL 0.060 0.50 0.0040 0.0050 0.025 0.025 0.025	0.010 0.0050 0.020 MDL 0.010 0.0010 0.0040 0.0020 0.010 0.0050 0.010	mg/L mg/L Mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14	1 1 1 1 1 1 1 1 1 1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Arsenic Barium Baryllum Cadmium Cadmium Cobalt Copper Iron	<0.050 <0.025 0.60 P) - SPLP East <0.050 0.77 <0.040 <0.0050 0.017 <0.025 0.033 11	Qualifier B	0.050 0.025 0.10 RL 0.060 0.50 0.0040 0.0050 0.025 0.025 0.025 0.025 0.20	0.010 0.0050 0.020 0.010 0.010 0.0020 0.010 0.0020 0.010 0.0050 0.010 0.020	mg/L mg/L Unit mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14	1 1 1 1 1 1 1 1 1 1 1 1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Arsenic Barium Baryllium Cadmium Cadmium Chromium Cobalt Copper Iron Lead	<0.050 <0.025 0.60 P) - SPLP East Result <0.050 0.77 -0.040 -0.040 -0.050 0.017 <0.025 0.033 11 0.014	Qualifier B	0.050 0.025 0.10 RL 0.050 0.50 0.0040 0.0050 0.025 0.025 0.025 0.20 0.0075	0.010 0.0050 0.020 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.200	тց/L mg/L Unit mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14	1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nickel Selenium Silver Zinc Method: 6010B - Metals (IC Analyte Arsenic Barium Baryllum Cadmium Cadmium Cobalt Copper Iron	<0.050 <0.025 0.60 P) - SPLP East <0.050 0.77 <0.040 <0.0050 0.017 <0.025 0.033 11	Qualifier B	0.050 0.025 0.10 RL 0.060 0.50 0.0040 0.0050 0.025 0.025 0.025 0.025 0.20	0.010 0.0050 0.020 0.010 0.010 0.0020 0.010 0.0020 0.010 0.0050 0.010 0.020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15 10/21/13 07:15	10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 17:09 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14 10/21/13 19:14	1 1 1 1 1 1 1 1 1 1 1 1 1 1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 0	121	Cilent	Sample F	-suits			TestAmeri	ca Job ID: 500-(54900-1
Client Sample ID: RR-29(0.5- ate Collected: 10/14/13 15:12 ate Received: 10/15/13 06:00	1.5)-101413						Lab Sam	ple ID: 500-6 Matri	4900-9 x: Solid
Method: 6010B - Metals (ICP) - SI Analyte		tinued) 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	в	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	В	10		mg/Kg	a	10/16/13 16:00	10/17/13 15:39	1
Antimony	<1.0		1.0	0.41	mg/Kg	Ģ	10/16/13 16:00	10/17/13 15:39	1
Arsenic	5.2		0.51	0.10	mg/Kg	0	10/16/13 16:00	10/17/13 15:39	1
Barium	68		0,51	0.055	mg/Kg	õ	10/16/13 16:00	10/17/13 15:39	1
Beryllium	0.38		0.21	0.018	mg/Kg	Ø	10/16/13 16:00	10/17/13 15:39	1
Cadmium	0.36		0.10		mg/Kg	D.	10/16/13 16:00	10/17/13 15:39	1
Calcium	120000		100		mg/Kg	Ø.	10/16/13 16:00	10/18/13 12:58	10
Chromium	15		0.51	0.060	mg/Kg	0	10/16/13 16:00	10/17/13 15:39	1
Cobalt	3.8		0,26	0.018	mg/Kg	a	10/16/13 16:00	10/17/13 15:39	1
Copper	20	в	0.51	0.046	mg/Kg	0	10/16/13 16:00	10/17/13 15:39	1
Iron	11000		10		mg/Kg	0	10/16/13 16:00	10/17/13 15:39	1
Lead	20		0.26		mg/Kg	O.	10/16/13 16:00	10/17/13 15:39	1
Magnesium	50000		5.1	1.1	mg/Kg	ö	10/16/13 16:00	10/17/13 15:39	1
Manganese	370	-	0.51	0.028	mg/Kg	0	10/16/13 16:00	10/17/13 15:39	1
Nickel	9.4		0.51	0.050	mg/Kg	ä	10/16/13 16:00	10/17/13 15:39	1
Potassium	1100	В	26		mg/Kg	Q.	10/16/13 16:00	10/17/13 15:39	1
Selenium	<0.51		0.51	0.18	mg/Kg	0-	10/16/13 16:00	10/17/13 15:39	1
Silver	<0.26		0.26	0.019	mg/Kg	ò	10/16/13 16:00	10/17/13 15:39	- 13
Sodium	310		51 0.26	6.9 0.010	mg/Kg mg/Kg	ö	10/16/13 16:00	10/17/13 15:39 10/17/13 15:39	1
Strontium Thallium	37 <0.51	~	0.26			OF	10/16/13 16:00	10/17/13 15:39	
			0.51	0.22	mg/Kg	di	10/16/13 16:00	10/17/13 15:39	1
Vanadium	17		1.0		mg/Kg	C-	10/16/13 16:00	10/17/13 15:39	1
Zinc	65	P	1.0	0.21	mg/Kg	~	10/10/13 10:00	10/17/13 15:39	1
Method: 7470A - Mercury (CVAA)	- TCLP								
Analyte		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 Analyte		Waste (Man Qualifier	ual Cold Vapo RL	Technie MDL		D	Prepared	Analyzed	Dil Fac
Mercury	33	wurdiffier	17		ug/Kg	- a	10/17/13 15:15	10/18/13 10:33	Dil Pac
	33		11-	7.9	agend.	41	10/17/10 10:10	10/10/10 10:00	
General Chemistry		The set of the set			11-14		-		-
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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	Definitions/Glossary
	n Solutions, Inc. TestAmerica Job ID: 500-64900 DOT - New Avenue - 021
Qualifiers	
GC/MS VOA	
Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
GC/MS Semi	
Qualifier	Qualifier Description
(LCS or LCSD exceeds the control limits Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	Result is less than the RL out greater than or equal to the MUL and the concentration is an approximate value. MS/MSD Recovery and/or RPD exceeds the control limits
X	Surrogate is outside control limits
	ann a Anna a ann an nu nu a
Metals	2.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2
Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
3	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	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.
0	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
GNE	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 MDA	Decision level concentration Minimum detectable activity
EDL	Estimated Detection Umit
MDC	Estimated Detection Unit
MDL	Method Detection Limit
ML	Minimum Level (Dioxim)
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
01	Parameters Linet as Descripted (Incit / Particeherrichted)

RPD. Relative Percent Difference, a measure of the relative difference between two points.

Reporting Limit or Requested Limit (Radiochemistry)

TEF Toxicity Equivalent Factor (Dioxin) TEO Toxicity Equivalent Ouotient (Dioxin)

RL

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TestAmerica Job ID: 500-64900-1

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A		
Cer	tificatio	n Summarv

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

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
lowa	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	BTMS-Q	04-30-14

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THE LEADER IN ENVIRONMENTAL TI 2017 Bond Sheet, University Park, II. 60.64 Phone: 708.534.5200 Fax: 708.534.52 500-84800 CCC Fax: [E-Mail:	Babisukuma R 25ton Solutions Inc- 0 E Bunkard, str. Soc Kinontiiksi II 60061 847-718-4050 47-918-4050	Cantact SAME Company:	Chain of Custody Record Lab Job #: 500-64900 Chain of Custody Number: Page of Terrperature *C of Cooler: 3.7
Tent Meston Solutions Inc. Dient Project # Meston Solutions Inc. 021 IDENT 021- New Avenue IDENT 021- New Avenu	Prezervative Parameter SD27 SD27 SD27	metuls Metuls Metuls PH	Preservative Key 1. HCL: Coal b & 2. H2G: Coal b & 3. H3G: Coal b & 4. H3G: Coal b & 4. H3G: Coal b & 5. Nai/W2R: Coal b & 5. Nai/W2R: Coal b & 7. Coa
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 S X X X X X X X X X X X X X X X X X X	X X	
Image: Second	Sample Disposal	Achire for Months (A Comment Off (4) Comment Def (5) Comment A 10 Date Lab Comments:	lie may be assessed if samples are reliabed (onger than 1 month) //2009/// Lab Courier TA Time Shipped



Illinois Environmental Protection Agency Page 1 of 2

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 III. 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 III. 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)

City: Lockport		State:	<u>IL</u>	Zip Code:			
County: Will				Township:			
Lat/Long of app	roximate center o	of site in dec	cimal degrees (D	D.ddddd) to five dec	imal places (e.g.	., 40.67890, -90.12	345):
Latitude: 41	.608468602	Longitude:	-88.051413611				
(D	ecimal Degrees)		(-Decimal Deg	rees)			
Identify how t	he lat/long data v	vere determ	ined:				
GPS	Map Interpola	ation D F	Photo Interpolatio	on Survey	Other		
-			and the state of the state of				
		U		,			
IEPA Site Numt	per(s), if assigned		L:			BOA:	
IEPA Site Numt					-	BOA:	
	per(s), if assigned	: BO	Ŀ	BOW:			
	per(s), if assigned perator Inform Site Own	t: BO nation for ner	L: Source Site	BOW:		ite Operator	
	per(s), if assigned	t: BO nation for ner	L: Source Site	BOW:			ion
II. Owner/Oj	per(s), if assigned perator Inform Site Own	t: BO nation for ner ent of Trans	L: Source Site	BOW:		ite Operator nent of Transportat	ion
II. Owner/O j Name:	per(s), if assigned perator Inforn Site Own Illinois Departme	t: BO nation for ner ent of Trans	L: Source Site	BOW:	S Illinois Departm	ite Operator nent of Transportat	ion
II. Owner/O Name: Street Address: PO Box:	per(s), if assigned perator Inforn Site Own Illinois Departme	t: BO nation for ner ent of Trans	L: Source Site	BOW: Name: Street Address:	S Illinois Departm	ite Operator nent of Transportat	
II. Owner/Op Name: Street Address:	per(s), if assigned Derator Inform Site Own Illinois Departme <u>201 West Cente</u>	t: BO nation for ner ent of Trans er Court	L: Source Site	BOW: Name: Street Address: PO Box:	S Illinois Departm 201 West Cente	tite Operator nent of Transportat er Court	: <u>IL</u>

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 III. 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 III. 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 III. 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 Tr.	ansportation
Street Address:	2300 South Dirksen Par	kway
City:	Springfield	State: IL Zip Code: 62764
Phone:	217-785-4246	WILLIN GOBE
Steven Gobelman, P.	E., L.P.G	ALL
Printed Name:		196-000598 Z
Te	X	12/24/13 LICENSED
Licensed Profession Licensed Profession	onal Engineer or onal Geologist Signature:	Date: PROFESSIONAL GEOLOGIST GEOLOGIST OF HEINLP.G. Seal

Summary Table of ISGS Site No. 2518-16 Comparison of Detected Constituents to Applicable Reference Concentrations Soil Analytical Results Illinols 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	1
Sample Date	10/11/2013	Soil Reference
Location ID	MG-1	Concentrations
Depth	0-0.5	Concentrations
Parameter		
Laboratory pH (s.u.)	7,91	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		10000
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)perviene	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 24 B*	84
Strontium, Total Vanadium, Total	24 B*	550
TCLP Metals (mg/l)	- M	500
Barium, TCLP	1.4	2
Cadmium, TCLP	0.0031 J	0.005
Manganese, TCLP	0.18	0.005
Zinc, TCLP	1.8	0.15
SPLP Metals (mg/l)	10	9
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	0.0075
Manganese, SPLP Mercury, SPLP	0.000032 J	0.002
Nickel, SPLP	0.013 J	0.002
Zinc, SPLP	0.85 B	0,1

) WM/W201001_010010001146553Apps_00000

101

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.
- not applicable of 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.

- J+ Estimated concentration biased high.
 Instrument related Quality Control (QC) exceeded the control limits.
 Shaded values indicate concentration exceeds Reference Concentration.

) WV9/W2900/000112012012027048553/Appel 00:50

2.01 4



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:

LINKS

Review your project results through

Have a Question?

www.testamericainc.com

Visit us at:

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

Attn: Mr. S. Babusukumar

Rillh

Authorized for release by: 10/24/2013 2:02:00 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: 500-64826-1	

Client Sample ID; MG-1(0-0.5)-101113	Lab Sample ID: 500-64826-8
Date Collected: 10/11/13 10:40	Matrix: Solid
Date Received: 10/11/13 16:30	Percent Solids: 87.8

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cetone	<5.7		5.7	2.5	ug/Kg	0		10/14/13 17:59	1
enzene	<5.7		5.7	0.78	ug/Kg	o o		10/14/13 17:59	1
omodichloromethane	<5.7		5.7	0.98	ug/Kg	D		10/14/13 17:59	1
omoform	<5.7		5.7		ug/Kg	0		10/14/13 17:59	1
romomethane	<5.7		5.7	1.7	ug/Kg	0		10/14/13 17:59	1
arbon disulfide	<5.7		5.7	0.85	ug/Kg	Ġ.		10/14/13 17:59	1
arbon tetrachloride	<5.7		5.7	1.0	ug/Kg	0/		10/14/13 17:59	1
hlorobenzene	<5.7		5.7	0.58	ug/Kg	0.		10/14/13 17:59	1
hloroethane	<5.7		5.7	1.5	ug/Kg	0		10/14/13 17:59	1
hloroform	<5.7		5.7	0.65	ug/Kg	91		10/14/13 17:59	1
hloromethane	<5.7		5.7	1.2	ug/Kg	0		10/14/13 17:59	1
s-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	0		10/14/13 17:59	
s-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	05		10/14/13 17:59	
ibromochloromethane	<5.7		5.7	0.99		0		10/14/13 17:59	4
1-Dichloroethane	<5.7		5.7	0.90		0		10/14/13 17:59	1
2-Dichloroethane	<5.7		5.7	0.84	1.4	0-		10/14/13 17:59	1
1-Dichloroethene	<5.7		5.7	0.92		0.		10/14/13 17:59	1
2-Dichloropropane	<5.7		5.7	0.86		0		10/14/13 17:59	1
3-Dichloropropene, Total	<5.7		5.7	0.75		Ó.		10/14/13 17:59	1
thylbenzene	<5.7		5.7		ug/Kg	0.		10/14/13 17:59	1
Hexanone	<5.7		5.7		ug/Kg	p-		10/14/13 17:59	
lethylene Chloride	~5.7		5.7	1.5		0.		10/14/13 17:59	1
ethyl Ethyl Ketone	<5.7		5.7	2.1		0		10/14/13 17:59	1
ethyl isobutyl ketone	<5.7		5.7	1.5		0		10/14/13 17:59	1
lethyl tert-butyl ether	<5.7		5.7	0.94		ó		10/14/13 17:59	4
tyrene	<5.7		5.7	0.75	1. T. 1. T. 1.	D:		10/14/13 17:59	1
1.2.2-Tetrachloroethane	<5.7		5.7		ug/Kg	D		10/14/13 17:59	1
etrachloroethene	<5.7		5.7	0.87		Ū.		10/14/13 17:59	1
oluene	<5.7		5.7	0.80		0		10/14/13 17:59	
ans-1,2-Dichloroethene	<5.7		5.7	0.78		0		10/14/13 17:59	1
ans-1,3-Dichloropropene	<5.7		5.7	1.0		0		10/14/13 17:59	
1,1-Trichloroethane	<5.7		5.7	0.85		0		10/14/13 17:59	
1,2-Trichloroethane	<5.7		5.7	0.78		p.		10/14/13 17:59	
richlargethene	<5.7		5.7		ug/Kg	ti.		10/14/13 17:59	1.1
invl chloride	<5.7		5.7		ug/Kg	ō.		10/14/13 17:59	i.
ylenes, Total	<11		11		ug/Kg	p.		10/14/13 17:59	1
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	86		70 - 122					10/14/13 17:59	1
ibromofluoromethane	107		75 - 120					10/14/13 17:59	1
,2-Dichloroethane-d4 (Surr)	99		70 - 134					10/14/13 17:59	1
oluene-d8 (Surr)	97		75 - 122					10/14/13 17:59	1
Nethod: 8270D - Semivolatile	Organic Compou	nds (GC/MS	5)						
nalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorobenzene	<910		910	200		- 0	10/16/13 07:32	10/23/13 21:52	5
2-Dichlorobenzene	<910		910	200		0	10/16/13 07:32	10/23/13 21:52	5
3-Dichlorobenzene	<910		910	190	ug/Kg	œ	10/16/13 07:32	10/23/13 21:52	5
4-Dichlorobenzene	<910		910	190		D.	10/16/13 07:32	10/23/13 21:52	5
2'-oxybis[1-chloropropane]	<910		910		ug/Kg	ō.	10/16/13 07:32	10/23/13 21:52	5

TestAmerica Chicago

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10/24/2013

Clink	Comme	Denulte	
Cilent	Sample	Results	

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

Fluoranthene

Hexachlorobenzene

Hexachlorobutadiene

Hexachloroethane

Hexachlorocyclopentadiene

Fluorene

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

7

TestAmerica Job ID: 500-64826-1

Matrix: Solid Percent Solids: 87,8 Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued) Analyte Result Qualifier MDL Unit D Prepared Analyzed Dil Fac RL 2.4.5-Trichlorophenol <1800 1800 520 ug/Kg ō 10/16/13 07:32 10/23/13 21:52 6 ÷. 2,4,6-Trichlorophenol 10/16/13 07:32 10/23/13 21:52 <1800 1800 230 ug/Kg 5 p. 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 ò. 10/16/13 07:32 10/23/13 21:52 5 2,4-Dinitrophenol <3600 3600 920 ug/Kg Ġ. 10/16/13 07:32 10/23/13 21:52 5 0 2.4-Dinitrotoluene <910 910 280 ug/Kg 10/16/13 07:32 10/23/13 21:52 5 6 2.6-Dinitratoluene <910 910 210 ug/Kg 10/16/13 07:32 10/23/13 21:52 5 n. 2-Chloronaphthalene <910 910 200 ua/Ka 10/16/13 07:32 10/23/13 21:52 5 260 ug/Kg 2-Chlorophenol <910 910 · 10/16/13 07:32 10/23/13 21:52 5 0-10/16/13 07:32 10/23/13 21:52 2-Methylnaphthalene <910 910 230 ug/Kg 6 2-Methylphenol <910 910 240 ug/Kg P 10/16/13 07:32 10/23/13 21:52 5 · 10/16/13 07:32 2-Nitroaniline <910 910 330 ug/Kg 10/23/13 21:52 5 0 10/16/13 07:32 2-Nitrophenol <1800 1800 280 ug/Kg 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 D 10/16/13 07:32 10/23/13 21:52 3,3'-Dichlorobenzidine <910 910 150 ug/Kg 5 3-Nitroaniline <1800 1800 350 ug/Kg ¹⁰ 10/16/13 07:32 10/23/13 21:52 5 4,6-Dinitro-2-methylphenol o. <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 <1800 860 ug/Kg 0 10/16/13 07:32 10/23/13 21:52 4-Chloro-3-methylphenol 1800 5 550 ug/Kg o. 10/16/13 07:32 <3600 3600 10/23/13 21:52 4-Chloroaniline 5 4 Chlorophenyl phenyl ether <910 910 280 ug/Kg 0 10/16/13 07:32 10/23/13 21-52 5 0 10/23/13 21:52 4-Nitroaniline <1800 1800 370 ug/Kg 10/16/13 07:32 5 Ø. 4-Nitrophenol <3600 3600 970 ug/Kg 10/16/13 07:32 10/23/13 21:52 5 ÷. 10/16/13 07:32 Acenaphthene 200 180 54 ug/Kg 10/23/13 21-52 5 0 10/16/13 07:32 41 ug/Kg Acenaphthylene <180 180 10/23/13 21:52 5 180 42 ug/Kg 9 10/16/13 07:32 10/23/13 21:52 Anthracene 240 5 180 ġ. 10/16/13 07:32 10/23/13 21:52 Benzo[a]anthracene 38 ug/Kg 5 1200 Benzofalpyrene 1100 180 33 ug/Kg 0 10/16/13 07:32 10/23/13 21:52 5 à. 10/16/13 07:32 10/23/13 21:52 180 35 ug/Kg 5 Benzo[b]fluoranthene 1600 0 10/16/13 07:32 10/23/13 21:52 Benzo[g,h,i]perylene 750 180 61 ug/Kg 5 180 6 10/16/13 07:32 10/23/13 21:52 Benzo[k]fluoranthene 660 43 ug/Kg 5 0 10/16/13 07:32 10/23/13 21:52 Bis(2-chloroethoxy)methane <910 910 200 ug/Kg 5 Bis(2-chloroethyl)ether <910 910 270 ug/Kg · 10/16/13 07:32 10/23/13 21:52 5 4 Bis(2-ethylhexyl) phthalate <910 910 240 ug/Kg 10/16/13 07:32 10/23/13 21:52 5 CF. 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 0 10/16/13 07:32 10/23/13 21:52 5 ó. 10/16/13 07:32 10/23/13 21:52 180 41 ug/Kg Chrysene 1600 5 Dibenz(a,h)anthracene 180 180 50 ug/Kg 05 10/16/13 07:32 10/23/13 21:52 5 0 10/16/13 07:32 Dibenzofuran <910 910 220 ua/Ka 10/23/13 21:52 5 0 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 Q. 10/16/13 07:32 10/23/13 21:52 5 Di-n-butyl phthalate 0. 10/16/13 07:32 <910 910 230 ug/Kg 10/23/13 21:52 5 Di-n-octyl phthalate <910 910 370 ug/Kg ò. 10/16/13 07:32 10/23/13 21:52

TestAmerica Chicago

10/23/13 21:52

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180

180

360

910

3600

910

4100

220

<360

<910

<3600

<910

74 ug/Kg

41 ug/Kg

36 ug/Kg

240 ug/Kg

840 ug/Kg

190 ug/Kg

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10/16/13 07:32

10/16/13 07:32

10/16/13 07:32

10/16/13 07:32

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0 10/16/13 07:32

10/24/2013

5

5

5

5

5

lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue	- 021						TestAmeri	ca Job ID: 500-6	54826-1
lient Sample ID: MG-1(0-0	0.5)-101113						Lab Sam	ple ID: 500-6	4826-8
ate Collected: 10/11/13 10:40	a far the state of the							Matri	x: Solid
ate Received: 10/11/13 16:30								Percent Soli	ds: 87,8
Method: 8270D - Semivolatile (Analyte		Qualifier	5) (Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	660		180	61	ug/Kg	0	10/16/13 07:32	10/23/13 21:52	5
Isophorone	<910		910	200	ug/Kg	0	10/16/13 07:32	10/23/13 21:52	5
Naphthalene	55	J	180	35	ug/Kg	Øł.	10/16/13 07:32	10/23/13 21:52	5
Nitrobenzene	<180		180	56	ug/Kg	Q.	10/16/13 07:32	10/23/13 21:52	5
N-Nitrosodi-n-propylamine	<910		910	230	ug/Kg	Ċ.	10/16/13 07:32	10/23/13 21:52	5
N-Nitrosodiphenylamine	<910		910	240	ug/Kg	0	10/16/13 07:32	10/23/13 21:52	5
Pentachlorophenol	<3600		3600	920	ug/Kg	0	10/16/13 07:32	10/23/13 21:52	5
Phenanthrene	3200		180		ug/Kg	th.	10/16/13 07:32	10/23/13 21:52	5
Phenol	<910		910		ug/Kg	D.	10/16/13 07:32	10/23/13 21:52	5
Pyrene	2900		180	65	ug/Kg	0	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
							10/10/10 07:02	1000010 21.02	
Method: 6010B - Metals (ICP) -	TCLP								
Analyte	12.00	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	1 C		10/19/13 13:00	10/21/13 20:23	1
Barium	1.4		0.50	0.010			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	7	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	JB	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	в	0,10	0.020	mg/L		10/19/13 13:00	10/21/13 20:23	1
Method: 6010B - Metals (ICP) -	SPLP East								
Analyte		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	t
	0.93	в	0.50	0.010			10/18/13 08:00	10/22/13 17:33	1
Barium	<0.0040		0.0040	0.0040			10/18/13 08:00	10/22/13 17:33	1
			0.0050	0.0020			10/18/13 08:00	10/22/13 17:33	1
Beryllium	<0.0050			0.010			10/18/13 08:00	10/22/13 17:33	1
Beryllium Cadmium		J	0.025						
Beryllium Cadmium Chromium	<0.0050 0.018 <0.025	J.	0.025	0.0050	mg/L		10/18/13 08:00	10/22/13 17:33	1
Beryllium Cadmium Chromium Cobalt	0.018 <0.025	J	0.025	0.0050			10/18/13 08:00	10/22/13 17:33 10/22/13 17:33	1
Beryllium Cadmium Chromium Cobalt Copper	0.018 <0.025 0.18	J	0.025 0.025	0.010	mg/L		10/18/13 08:00	10/22/13 17:33	1
Beryllium Cadmium Cobalt Copper Iron	0.018 <0.025 0.18 16	L	0.025 0.025 0.20	0.010	mg/L mg/L		10/18/13 08:00 10/18/13 08:00	10/22/13 17:33 10/22/13 17:33	
Beryllium Cadmium Chromium Cobalt Copper Iron Lead	0.018 <0.025 0.18 16 0.070	J	0.025 0.025 0.20 0.0075	0.010 0.20 0.0050	mg/L mg/L mg/L		10/18/13 08:00 10/18/13 08:00 10/18/13 08:00	10/22/13 17:33 10/22/13 17:33 10/22/13 17:33	1 1 1
Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel	0.018 <0.025 0.18 16		0.025 0.025 0.20	0.010	mg/L mg/L mg/L mg/L		10/18/13 08:00 10/18/13 08:00	10/22/13 17:33 10/22/13 17:33	1

TestAmerica Chicago

10/24/2013

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ient: Weston Solutions, Inc. oject/Site: IDOT - New Avenue - I	1	TestAmerica Job ID: 500-6482									
lient Sample ID: MG-1(0-0.8 ate Collected: 10/11/13 10:40 ate Received: 10/11/13 16:30	5)-101113						Lab Sample ID: 500-64826-8 Matrix: Solid				
Vethod: 6010B - Metals (ICP) - S	the second s	tinued) 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		
linc	0.85	в	0.10	0.020	mg/L		10/18/13 08:00	10/22/13 17:33	1		
Method: 6010B - Total Metals											
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Muminum	7000	B	11	1.0	mg/Kg	a	10/16/13 10:00	10/17/13 06:35	1		
ntimony	<1.1		1.1	0.44	mg/Kg	Ģ	10/16/13 10:00	10/17/13 06:35	1		
Irsenic	6.0		0.54	0.11	mg/Kg	0	10/16/13 10:00	10/17/13 06:35	1		
Barium	60	В	0.54	0.058	mg/Kg	ō	10/16/13 10:00	10/17/13 06:35	1		
Beryllium	0.53		0.22	0.019	mg/Kg	Ø	10/16/13 10:00	10/17/13 06:35	1		
Cadmium	0.36		0.11	0.014	mg/Kg	D.	10/16/13 10:00	10/17/13 06:35	1		
alcium	47000	В	11	2.9	mg/Kg	ø	10/16/13 10:00	10/17/13 06:35	1		
chromium	13		0.54	0.063	mg/Kg	0	10/16/13 10:00	10/17/13 06:35	1		
obalt	6.5		0.27	0.019	mg/Kg	a	10/16/13 10:00	10/17/13 06:35	1		
opper	20		0.54	0.048	mg/Kg	0	10/16/13 10:00	10/17/13 06:35	1		
on	13000		11	4.5	mg/Kg	0	10/16/13 10:00	10/17/13 06:35	1		
ead	50	в	0.27	0.081	mg/Kg	ĊF.	10/16/13 10:00	10/17/13 06:35	1		
Aagnesium	27000	в	5.4	1.1	mg/Kg	Ŏ.	10/16/13 10:00	10/17/13 06:35	1		
langanese	320		0.54	0.030	mg/Kg	Q.	10/16/13 10:00	10/17/13 06:35	1		
lickel	13		0.54	0.053	mg/Kg	0	10/16/13 10:00	10/17/13 06:35	1		
otassium	1200		27	1.6	mg/Kg	G	10/16/13 10:00	10/17/13 06:35	1		
elenium	<0.54		0.54	0.19	mg/Kg	œ	10/16/13 10:00	10/17/13 06:35	1		
ilver	<0.27		0.27	0.020	mg/Kg	0 D	10/16/13 10:00	10/17/13 06:35	1		
odium	330	-	54	7.3	mg/Kg	0	10/16/13 10:00	10/17/13 06:35	1		
Strontium	24	B ^	0.27	0.011	mg/Kg	0	10/16/13 10:00	10/17/13 06:35	1		
'hallium	<0.54		0.54	0.23	mg/Kg	di-	10/16/13 10:00	10/17/13 06:35	1		
/anadium linc	17	в	0.27	0.040	mg/Kg mg/Kg	C-	10/16/13 10:00	10/17/13 06:35	1		
			~~~~					1			
Method: 7470A - Mercury (CVAA											
Analyte	1313451	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac		
Aercury	≺0.20		0.20	0.020	ug/L		10/21/13 15:15	10/22/13 13:05	1		
Method: 7470A - Mercury (CVAA											
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac		
Aeroury	0.032	J	0.20	0.020	ug/L		10/18/13 15:30	10/21/13 14:02	1		
Method: 7471B - Mercury in Soli		a strange of the second s									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Aercury	55		17	7.8	ug/Kg	ġ.	10/16/13 15:45	10/17/13 10:39	1		
General Chemistry											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		

TestAmerica Chicago

10/24/2013

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lient Westor	Solutions, Inc. TestAmerica Job ID: 500-64826-
	DOT - New Avenue - 021
Qualifiers	
quaimers	
GC/MS VOA	
Qualifier	Quaiffer Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
1	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
)	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
В	Compound was found in the blank and sample.
	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: instrument related OC exceeds the control limits.
3	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

19	DLC	Decision level concentration
	MDA	Minimum detectable activity
	EDL	Estimated Detection Limit
16	MDC	Minimum detectable concentration
J.	MDL	Method Detection Limit
15	ML	Minimum Level (Dioxin)
18	NC	Not Calculated
	ND	Not detected at the reporting limit (or MDL or EDL if shown)
	POL	Practical Quantitation Limit
٩Ŕ	ac	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)
- 13	TEO	Toxicity Equivalent Ouotient (Dioxin)

TestAmerica Chicago

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TestAmerica Job ID: 500-64826-1

13

0-	4161	41.0.00	C	
Cel	LIIICa	tion	Summarv	

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

Texas

USDA

Wisconsin

Wyoming

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
lowa	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

6

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8

T104704252-09-TX

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999580010

BTMS-O

02-28-14

02-06-15

08-31-14

04-30-14

NELAP

Federal

State Program

State Program

TestAmerica Chicago

10/24/2013

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THE LEADER IN ENVIRONMENT 2417 Boad Street, University Park, IL Phone: 708.534.5200 Fee: 708	AL CONTRACT	Address: 750 Address: Verno		r Ct. S IL 60	ste. Soo	Bill To Contact: Company: Address: Address: Phone: Fax: PO#/Referen	AN A	(optional)		Ch	Lab Job #: Chain of Cus Page	500	( <u>4826</u>
nt Weston yeel Name IDOT- C geel Localion/State Lockport, IL mpier Dan Cukierski g g g g g g g g g g g g g	Lab Project #	Sempling Jale Time	Preserva\$ve Parameler	Vocs	SVOCS	etals	, TCLP/SPLP Metals	HA				- 2, 1 3, 1 4, 5, 1 8, 1 7, 1 8, 1 7, 1 9, 1	Proservative Key (CL_Con Ib 4* 2504, Cool Ib 4* IN03, Cool Ib 4* IaOH, Cool Ib 4* IaOH, Cool Ib 4* IaOHZO, Cool Ib 4* IaOHZO, Cool Ib 4* Ione Viher
	Johns D         100           J-101113         100           S)-101113         100           S)-101113         100           J-101113         100           S)-101113         100           S)-101113         100           S)-101113         100           S)-101113         100           S)-101113         100           S)-101113         100	111/13 0855 111/13 0855 111/13 0855 111/13 09155 111/13 0915 111/13 1015 111/13 105 111/13 105 111/13 1055 111/13	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	XXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXX					
rnarcund Timo Required (Busitoss Days) _1 Day2 Days5 Days7 D cuested Due Date7	ays 10 Days 15 Day 	s <u>Studer</u> other	Sample Dispo	sal to Cliont Received By Received By Received By	Dape Land	× °	ompany Grepany To Sompany	Ive for/	Months (Af Deta 0-1/	Trino 154 Time	4r	reteined longer than Lab Courier Shipped Hand Delivered	i month) 

THE L	EADER I	IN ENVIRONME Street, University Pa		Con Con Add	198119: []] 1955: <u>750</u> 1955: <u>Vern</u> 19: <u>84</u> 7	B lest DE. T	ton Bunk iills,	sukume er Ct.	Stesae	Address: Phone: Fax:	SAM	(optional)	/			Lab Job #:_ Chain of Cu Page	500-	ly Record 64826
Client	1 1		Client Project #	E-M	dii,	Prese	ervative		1	PO#/Refere	nce#		-		1		1	Preservative Key
Project Name Project Local Sampler	LL Son/State		Lab Project #				emeter	0Cs	SVOCS	Metals	CLP/SPLP Metals	Hd					2 3 4 5 6 7 8	HCL, Cool to 4° H2SO4, Cool to 4° HNO3, Cool to 4° NaOH, Cool to 4° NaOH/Zn, Cool to 4° NaHSO4 Cool to 4° None Other
MS/MSD	Sample II			San	pling Time	# of Containers	Matrix	>	0)	F	F	La la	1	-			-	
11		(0.5-1.5	)-10113	10/11/13	1125	2	5	×	×	~	×	×		-	-		1	Comments
2	PP-	2(0.5-1.5	Dalaha	10/1VB		2	5	X	C	2	X	X						
13		1 (0.5-1.5)		6/11/0	1155	2	5	×	X	X	X	N			-			
14		2 (05-15)		10/4/3	1210	2	5	~	X	×	×	5						
15		-3 (05-1.5)		10/11/0	1215	2	5	2	×	X	X	X						
16	WP	/ /	5)-101113	(oning)	1245	2	5	×	×	×	×	×	1.1.1.1			1. 2 3	1	
17	106		5)-101113	10/0/13	1300	2	5	>	$\left \right>$	×	X	×		1		1		
18	DG	-2 (05-1.		10/WB	1310	2	5	×	×	×	X	X	1.1.1.1					
19	De	5-3 (0.5-1.5		16/11/0	1330	2	5	X	X	X	X	X				1		
20	55		5)-101113	10/11/13	1340	2	5	X	×	×	X	X	1	1	1	1		
Turnaround 7 1 Day Requested D Relinquished B Relinquished B Relinquished B	_2 Day		Veston	Date O/1//3 Date Date Date	15	Samp Time Time 53.0 Time	le Dispo Relurr	sal to Client Received By Received By Received By	Disp	7	Company Company Company Company		Data		be assessed if Time Time Time Time		retained longer tha Leb Courier Shipped Hard Delivered	n 1 month)
WW – Waste W – Water S – Soli SL – Sludga MS – Miscell OL – Oli A – Alr	owater	Malrix Key SE – Sedimer SO – Soil L – Leschste Wi – Wipe DW – Drinkin O – Other	at	ments								Lab Comment	5:					



Illinois Environmental Protection Agency Page 1 of 2

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 III. 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 III. 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)

City: Lockpo	ort	State: IL	Zip Code:	
County: Will			Township:	
Lat/Long of a	approximate center	of site in decimal degrees (I	DD.ddddd) to five dec	timal places (e.g., 40.67890, -90.12345):
Latitude:	41.618941426	Longitude: -88.05048070	8	
	(Decimal Degrees)	(-Decimal De	grees)	
Identify ho	w the lat/long data	were determined:		
GPS GPS		ation 🗌 Photo Interpola	tion 🗌 Survey	Other
	imber(s), if assigne		BOW:	BOA:
IEPA Site Nu	imber(s), if assigne	d: BOL:	BOW:	
IEPA Site Nu	imber(s), if assigne Operator Inforr Site Ow	d: BOL:	BOW:	BOA:
IEPA Site Nu	omber(s), if assigner Operator Inform Site Ow Illinois Departm	d: BOL: mation for Source Site mer lent of Transportation	BOW:	BOA: Site Operator Illinois Department of Transportation
IEPA Site Nu II. Owner/ Name:	omber(s), if assigner Operator Inform Site Ow Illinois Departm	d: BOL: mation for Source Site mer lent of Transportation	BOW:	BOA: Site Operator Illinois Department of Transportation
IEPA Site Nu II. Owner/ Name: Street Addre PO Box:	omber(s), if assigner Operator Inform Site Ow Illinois Departm	d: BOL: mation for Source Site mer lent of Transportation	BOW: BOW: Name: Street Address: PO Box:	BOA: Site Operator Illinois Department of Transportation
IEPA Site Nu II. Owner/ Name: Street Addre	Imber(s), if assigner Operator Inform Site Ow Illinois Departm ss: 201 West Center	d: BOL: mation for Source Site ner ent of Transportation er Court	BOW:	BOA: Site Operator Illinois Department of Transportation 201 West Center Court

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 III. 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 III. 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 III. 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 III. 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 T	ransportation					-
Street Address:	2300 South Dirksen Pa	arkway					
City:	Springfield	State:	IL.	Zip Code:	62764		
Phone:	217-785-4246					N GOBEL	
Steven Gobelman, P. Printed N Licensed Professio			12/20	Date:	STE	196-000598 LICENSED PROFESSIONAL GEOLOGIST	ANNI SIN
					"In	TEROFOILE	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	
Sample Date	10/14/2013	the state of the same state of the
Location ID	MT-2	Soil Reference Concentrations
Depth	0.5 - 1.5	
Parameter	10.1.1	
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	0.018 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	77	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.

) WWWW220000000120120120027N46553App.036LSX

T OF 1

# **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:

LINKS

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

Attn: Mr. S. Babusukumar

Rill Wh

Authorized for release by: 10/27/2013 12:31:44 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: 500-64902-1

Client Sample ID: MT-2(0.5-1.5)-101413	Lab Sample ID: 500-64902-6
Date Collected: 10/14/13 09:05	Matrix: Solid
Date Received: 10/15/13 06:00	Percent Solids: 60.0

Method: 8260B - VOC			2.0			2			-
Analyte	72.70	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	140		8.3	3.6		0		10/18/13 13:09	1
Benzene	<8.3		8.3	1.1	ug/Kg	ø		10/18/13 13:09	1
Bromodichloromethane	<8.3		8.3	1.4		D		10/18/13 13:09	1
Bramoform	<8.3		8,3	1.9	ug/Kg	D.		10/18/13 13:09	1
Bromomethane	<8.3		8.3	2.5		0		10/18/13 13:09	1
Carbon disulfide	<8.3		8.3		ug/Kg	ġ.		10/18/13 13:09	1
Carbon tetrachloride	<8.3		8.3		ug/Kg	0.		10/18/13 13:09	1
Chlorobenzene	<8.3		8.3		ug/Kg	0.		10/18/13 13:09	1
Chloroethane	<8.3		8.3		ug/Kg	0		10/18/13 13:09	1
Chloroform	<8.3		8.3	0.96	ug/Kg	9		10/18/13 13:09	1
Chloromethane	<8.3		8.3	1.7	ug/Kg	0		10/18/13 13:09	1
cis-1,2-Dichloroethene	<8.3		8.3	1.2	ug/Kg	0		10/18/13 13:09	1
cis-1,3-Dichloropropene	<8.3		8.3	1.1	ug/Kg	05		10/18/13 13:09	1
Dibromochloromethane	<8.3		8.3	1.4	ug/Kg	0		10/18/13 13:09	1
1, 1-Dichloroethane	<8.3		8.3	1.3	ug/Kg	0		10/18/13 13:09	1
1,2-Dichloroethane	<8.3		8.3	1.2	ug/Kg	0-		10/18/13 13:09	1
1,1-Dichloroethene	<8.3		8.3	1.3	ug/Kg	0		10/18/13 13:09	1
1.2-Dichloropropane	<8.3		8.3	1.3	ug/Kg	0		10/18/13 13:09	1
1,3-Dichloropropene, Total	<8.3		8.3	1.1	ug/Kg	ġ.		10/18/13 13:09	1
Ethylbenzene	<8.3		8.3	1.7	ug/Kg	0.		10/18/13 13:09	1
2-Hexanone	<8.3		8.3	2.4	ug/Kg	œ		10/18/13 13:09	1
Methylene Chloride	<8.3		8.3	22		0		10/18/13 13:09	1
Wethyl Ethyl Ketone	33		8.3	3.0		0		10/18/13 13:09	1
nethyl isobutyl ketone	<8.3		8.3	2.2	ug/Kg	p-		10/18/13 13:09	1
Methyl tert-butyl ether	<8.3		8.3	1.4	ug/Kg	Ó.		10/18/13 13:09	4
Styrene	<8.3		8.3	1.1	ug/Kg	0		10/18/13 13:09	1
1,2,2-Tetrachloroethane	<8.3		8.3	1.7		D		10/18/13 13:09	1
Tetrachloroethene	<8.3		8.3	1.3	ug/Kg	0		10/18/13 13:09	1
foluene	<8.3		8.3	1.2	0.20.20	0-		10/18/13 13:09	. I
rans-1,2-Dichloroethene	<8.3		8.3	1.1		0		10/18/13 13:09	1
rans-1,3-Dichloropropene	<8.3		8.3	1.5	ug/Kg	0		10/18/13 13:09	
1.1.1-Trichloroethane	<8.3		8.3	1.2		0		10/18/13 13:09	
1,1,2-Trichloroethane	<8.3		8.3	1.1	ug/Kg	0		10/18/13 13:09	
Trichloroethene	<8.3		8.3		ug/Kg	-		10/18/13 13:09	1
/inyl chloride	<8.3		8.3		ug/Kg	Ö.		10/18/13 13:09	
(ylenes, Total	<17		17		ug/Kg	p.		10/18/13 13:09	1
		Qualities		and a			Desmanar		Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 98	Qualifier	Limits 70 - 122				Prepared	Analyzed 10/18/13 13:09	Dil Fac
-Bromofluoronenzene (Surr) Dibromofluoromethane	98		70 - 122 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									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorobenzene	<1400		1400	310	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
,2-Dichlorobenzene	<1400		1400	300	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
, 3-Dichlorobenzene	<1400		1400	290	ug/Kg	0-	10/18/13 16:57	10/24/13 00:26	5
,4-Dichlorobenzene	<1400		1400	290	ug/Kg	D:	10/18/13 16:57	10/24/13 00:26	5
2,2'-oxybis[1-chloropropane]	<1400		1400	310	ug/Kg	õ	10/18/13 16:57	10/24/13 00:26	5

TestAmerica Chicago

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Oli - und	Cause	1. 1	Dennille
Cilent	Samp	ie i	Results

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

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

TestAmerica Job ID: 500-64902-1 Lab Sample ID: 500-64902-6

Matrix: Solid Percent Solids: 60.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<2700		2700	790	ug/Kg	ō	10/18/13 16:57	10/24/13 00:26	5
4,6-Trichlorophenol	<2700		2700	350	ug/Kg	O.	10/18/13 16:57	10/24/13 00:26	5
4-Dichlorophenol	<2700		2700	840	ug/Kg	p-	10/18/13 16:57	10/24/13 00:26	5
4-Dimethylphenol	<2700		2700	860	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
4-Dinitrophenol	<5600		5600	1400	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
4-Dinitrotoluene	<1400		1400	420	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
5-Dinitrotoluene	<1400		1400	330	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
-Chloronaphthalene	<1400		1400	310	ug/Kg	C2-	10/18/13 16:57	10/24/13 00:26	5
2-Chlorophenol	<1400		1400	390	ug/Kg	O-	10/18/13 16:57	10/24/13 00:26	5
Methylnaphthalene	<1400		1400	360	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Methylphenol	<1400		1400	370	ug/Kg	0-	10/18/13 16:57	10/24/13 00:26	5
Nitroaniline	<1400		1400	500	ug/Kg	Ö.	10/18/13 16:57	10/24/13 00:26	5
Nitrophenol	<2700		2700	430	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
& 4 Methylphenol	<1400		1400	520	ug/Kg	Ø.	10/18/13 16:57	10/24/13 00:26	5
3'-Dichlorobenzidine	<1400		1400	230	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Nitroaniline	<2700		2700	530	ug/Kg	¢.	10/18/13 16:57	10/24/13 00:26	5
6-Dinitro-2-methylphenol	<2700		2700	670	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Bromophenyl phenyl ether	<1400		1400	310	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
-Chloro-3-methylphenol	<2700		2700	1300	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Chloroaniline	<5600		5600	840	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Chlorophenyl phenyl ether	<1400		1400	430	ug/Kg	ņ	10/18/13 16:57	10/24/13 00:26	5
Nitroaniline	<2700		2700	570	ug/Kg	ō	10/18/13 16:57	10/24/13 00:26	5
Nitrophenol	<5600		5600	1500	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
cenaphthene	<270		270	82	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Acenaphthylene	<270		270	63	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Inthracene	<270		270	65	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
lenzo[a]anthracene	250	J	270	58	ug/Kg	a	10/18/13 16:57	10/24/13 00:26	5
enzo[a]pyrene	360		270	50	ug/Kg	Ö.	10/18/13 16:57	10/24/13 00:26	5
Benzo[b]fluoranthene	470		270	54	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
lenzo[g,h,i]perylene	430		270	93	ug/Kg	σ	10/18/13 16:57	10/24/13 00:26	5
Benzo[k]fluoranthene	250	J.	270	66	ug/Kg	ġ.	10/18/13 16:57	10/24/13 00:26	5
Bis(2-chloroethoxy)methane	<1400		1400	300	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
3is(2-chloroethyl)ether	<1400		1400	410	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Bis(2-ethylhexyl) phthalate	<1400		1400	370	ug/Kg	ö.	10/18/13 16:57	10/24/13 00:26	5
Butyl benzyl phthalate	<1400		1400	350	ug/Kg	o	10/18/13 16:57	10/24/13 00:26	5
Carbazole	<1400		1400	390	ug/Kg	Q.	10/18/13 16:57	10/24/13 00:26	5
Chrysene	400		270	62	ug/Kg	Ö.	10/18/13 16:57	10/24/13 00:26	5
Dibenz(a,h)anthracene	<270		270	77	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Dibenzofuran	<1400		1400	330	ug/Kg	Ū.	10/18/13 16:57	10/24/13 00:26	5
Diethyl phthalate	<1400		1400	460	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Dimethyl phthalate	<1400		1400	340	ug/Kg	Q+	10/18/13 16:57	10/24/13 00:26	5
0i-n-butyl phthalate	<1400		1400	350	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Di-n-octyl phthalate	<1400		1400	560	ug/Kg	Ö.	10/18/13 16:57	10/24/13 00:26	5
luoranthene	490		270	110	ug/Kg	0-	10/18/13 16:57	10/24/13 00:26	5
luorene	<270		270	63	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
lexachlorobenzene	<560		560	54	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
lexachlorobutadiene	<1400		1400	360	ug/Kg	o	10/18/13 16:57	10/24/13 00:26	5
Hexachlorocyclopentadiene	<5600		5600	1300	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
lexachloroethane	<1400		1400	290	ug/Kg	œ.	10/18/13 16:57	10/24/13 00:26	5

TestAmerica Chicago

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ient: Weston Solutions, Inc. oject/Site: IDOT - New Aven	nue - 021						TestAmeri	ca Job ID: 500-6	54902-1
lient Sample ID: MT-2(0	0.5-1.5)-101413						Lab Sam	ple ID: 500-64	4902-6
ate Collected: 10/14/13 09:0	15							Matri	x: Solid
ate Received: 10/15/13 06:0	0							Percent Soli	ds: 60.0
Method: 8270D - Semivolati Analyte		Qualifier	5) (Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	260	1	270	93	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Isophorone	<1400		1400	310	ug/Kg	o.	10/18/13 16:57	10/24/13 00:26	5
Naphthalene	<270		270	53	ug/Kg	Øł-	10/18/13 16:57	10/24/13 00:26	5
Nitrobenzene	<270		270	86	ug/Kg	Đ:	10/18/13 16:57	10/24/13 00:26	5
N-Nitrosodi-n-propylamine	<1400		1400	350	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
N-Nitrosodiphenylamine	<1400		1400	370	ug/Kg	0-	10/18/13 16:57	10/24/13 00:26	5
Pentachlorophenol	<5600		5600	1400	ug/Kg	0	10/18/13 16:57	10/24/13 00:26	5
Phenanthrene	180	1	270	120	ug/Kg	¢	10/18/13 16:57	10/24/13 00:26	5
Phenol	<1400		1400		ug/Kg	D.	10/18/13 16:57	10/24/13 00:26	5
Pyrene	450		270	100	ug/Kg	0	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 (ICF Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	wateriner	0.050	0.010			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	
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		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			10/23/13 11:30	10/24/13 21:50	1
Selenium	<0.050		0.050	0.010			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
VIII DI		B	0.10	0.020	mg/L		10/23/13 11:30	10/24/13 21:50	1
Zinc	0.45	0	0,10						
Zinc			0.10						
	P) - SPLP East	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc Method: 6010B - Metals (ICF	P) - SPLP East			MDL 0.010		D	Prepared	Analyzed 10/25/13 01:05	Dil Fac
Zinc Method: 6010B - Metals (ICF Analyte	P) - SPLP East Result	Qualifier	RL		mg/L	D	and the second s	and the second s	
Zinc Method: 6010B - Metals (ICF Analyte Arsenic Barium	P) - SPLP East Result <0.050	Qualifier	RL 0.050	0.010	mg/L mg/L	D	10/23/13 11:30	10/25/13 01:05	t
Zinc Method: 6010B - Metals (ICF Analyte Arsenic	P) - SPLP East Result <0.050 0.14	Qualifier	RL 0.050 0.50	0.010 0.010	mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30	10/25/13 01:05 10/25/13 01:05	t 1
Zinc Method: 6010B - Metals (ICF Analyte Arsenic Barium Beryllium Cadmium	P) - SPLP East Result <0.050 0.14 <0.0040	Qualifier J	RL 0.050 0.50 0.0040	0.010 0.010 0.0040	mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/25/13 01:05 10/25/13 01:05 10/25/13 01:05	1 1 1
Zinc Method: 6010B - Metals (ICF Analyte Arsenic Barium Barium Beryllium Cadmium Chromium	P) - SPLP East Result <0.050 0.14 <0.0040 <0.0050	Qualifier J	RL 0.050 0.50 0.0040 0.0050	0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05	t 1 1
Zinc Method: 6010B - Metals (ICF Analyte Arsenic Barium Baryllium Cadmium Cadmium Cobalt	P) - SPLP East <a href="https://www.example.com">Result</a> <a href="https://www.example.com"></a> <a href="https://www.example.com" www.example.com"=""></a> www.example.com <a href="https://www.example.com"></a> www.example.com <a href="https://www.example.com" www.example.com"=""></a> www.example.com <a href="https://www.example.com"></a> wwww.example.com <a href="https://www.example.com"></a> www.example.com <a href="https://wwww.example.com"></a> wwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwww	Qualifier J	RL 0.050 0.50 0.0040 0.0050 0.025	0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L	B	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05	t 1 1 1
Zinc Method: 6010B - Metals (ICF Analyte Barium Barium Cadmium Chromium Cobalt Copper	P) - SPLP East <a href="https://www.example.com">Result</a> <ul> <li>&lt;0.050</li> <li>&lt;0.14</li> <li>&lt;0.0050</li> <li>&lt;0.011</li> <li>&lt;0.025</li> </ul>	Qualifier J	RL 0.050 0.50 0.0040 0.0050 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05	t 1 1 1 1
Zinc Method: 6010B - Metals (ICF Analyte Barium Beryllium Cadmium Chromium Cobalt Copper Iron	P) - SPLP East <a href="https://www.example.com">Result</a> <ul> <li>&lt;0.050</li> <li>&lt;0.14</li> <li>&lt;0.0040</li> <li>&lt;0.0050</li> <li>&lt;0.011</li> <li>&lt;0.025</li> <li>&lt;0.090</li> </ul>	Qualifier J	RL 0.050 0.50 0.0040 0.0050 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	P	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05	t 1 1 1 1 1
Zinc Method: 6010B - Metals (ICF Analyte Arsenic Barium Baryllium Cadmium Chromium Cobalt Copper Fon	P) - SPLP East	Qualifier J	RL 0.050 0.50 0.0040 0.0050 0.025 0.025 0.025 0.20	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05	t 1 1 1 1 1 1 1
Zinc Method: 6010B - Metals (ICF Analyte Arsenic Barium Beryllium	P) - SPLP East Result <0.050 0.14 <0.0040 <0.0050 0.011 <0.025 0.090 7.7 0.017	Qualifier J	RL 0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.20 0.0075	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05 10/25/13 01:05	t 1 1 1 1 1 1 1 1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 021		Clien	t Sample F	<b>Kesults</b>			TestAmeri	ca Job ID: 500-	64902-1
Client Sample ID: MT-2(0.5-1.5)-101 ate Collected: 10/14/13 09:05 ate Received: 10/15/13 06:00	413						Lab Sam	ple ID: 500-6 Matri	4902-6 x: Solid
Method: 6010B - Metals (ICP) - SPLP Eas		tinued) 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	в	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	В	16	1.4	mg/Kg	0	10/17/13 09:00	10/18/13 18:37	1
Antimony	<1.6		1.6	0.63	mg/Kg	Ģ	10/17/13 09:00	10/18/13 18:37	1
Arsenic	7.2		0.78	0.16	mg/Kg	0	10/17/13 09:00	10/18/13 18:37	1
Barium	79	В	0.78	0.084	mg/Kg	ō	10/17/13 09:00	10/18/13 18:37	1
Beryllium	0.59		0.31	0.028	mg/Kg	Ø	10/17/13 09:00	10/18/13 18:37	1
Cadmium	0.30		0.16	0.020	mg/Kg	D.	10/17/13 09:00	10/18/13 18:37	1
Calcium	34000	В	16		mg/Kg	101	10/17/13 09:00	10/18/13 18:37	1
Chromium	33	В	0.78	0.091	mg/Kg	O.	10/17/13 09:00	10/18/13 18:37	1
Cobalt	7.5	в	0.39	0.028	mg/Kg	α	10/17/13 09:00	10/18/13 18:37	1
Copper	26		0.78	0.069	mg/Kg	Q.	10/17/13 09:00	10/18/13 18:37	1
ron	16000		16	6.4	mg/Kg	Ø.	10/17/13 09:00	10/18/13 18:37	1
Lead	28	в	0.39	0.12	mg/Kg	0	10/17/13 09:00	10/18/13 18:37	1
Magnesium	13000	в	7.8	1.6	mg/Kg	ö	10/17/13 09:00	10/18/13 18:37	1
Manganese	1200		7.8	0.43		0	10/17/13 09:00	10/21/13 13:05	10
Nickel	16	В	0.78	0.077		0	10/17/13 09:00	10/18/13 18:37	1
Potassium	940		390	24	mg/Kg	Ċ,	10/17/13 09:00	10/21/13 13:05	10
Selenium	0.38	J	0.78	0.28	mg/Kg	œ	10/17/13 09:00	10/18/13 18:37	1
Silver	0.065		0.39	0.028	mg/Kg	ġ.	10/17/13 09:00	10/18/13 18:37	1
Sodium	680		78	10		o	10/17/13 09:00	10/18/13 18:37	1
Strontium		B ^	0.39	0.016	100 m 10 m	o	10/17/13 09:00	10/18/13 18:37	1
Thallium	<0.78		0.78	0.33	mg/Kg	CF-	10/17/13 09:00	10/18/13 18:37	1
Vanadium	21		0.39		mg/Kg	ĊF.	10/17/13 09:00	10/18/13 18:37	1
Zinc	83	В	1.6	0.32	mg/Kg	0-	10/17/13 09:00	10/18/13 18:37	1
Method: 7470A - Mercury (CVAA) - TCLP	-	1	1.1			1	2.0.1	1.4	
Analyte	10101-001	Qualifier	RL	1000	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									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Mercury	0.022	1	0.20	0.020	ug/L		10/23/13 15:00	10/24/13 11:13	1
Method: 7471B - Mercury in Solid or Sem	isolid	Waste (Man	ual Cold Vapo	r Technie	que)				
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	65		27	13	ug/Kg	ġ.	10/17/13 15:15	10/18/13 12:22	1
General Chemistry									
General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.27	scounter	0.200	0.200		-	i i opareu	10/18/13 13:19	Jil Fac

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	Definitions/Glossary
	I Solutions, Inc. TestAmerica Job ID: 500-64902-1 DOT - New Avenue - 021
Qualifiers	
GC/MS VOA	
Qualifier	Qualifier Description
a survey of the second	MS/MSD Recovery and/or RPD exceeds the control limits
GC/MS Semi	/OA
Qualifier	Qualifier Description
3	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
в	Compound was found in the blank and sample.
A.	ICV,CCV,ICB,CCB, ISA, ISB, CRJ, CRA, DLCK or MRL standard: Instrument related OC 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
F	applicable. 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.
ė	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
GNF	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 Method Detection Limit
ML	Memod Detection Limit Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Calculated 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)

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Relative Percent Difference, a measure of the relative difference between two points.

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Ouotient (Dioxin)

RPD. TEF

TEO

TestAmerica Job ID: 500-64902-1

13

Cal	tifiar	tion	Summ	
Cel	TUIICa	шоп	Summ	arv

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

#### Laboratory: TestAmerica Chicago

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	
Ilinois	NELAP	5	100201	04-30-14	
Indiana	State Program	5	C-IL-02	04-30-14	
lowa	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	BTMS-O	04-30-14	

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TH	2	ADER IN ENVIRONMENTA 2417 Bond Street, University Park, IL one: 708.534.5200 Fax: 708.5	1983	Add Add Pho	npany: <u>We</u> ress: <u>150</u> ress: <u>Vern</u> k ne: <u>84</u> °	ER	ills, J	2L 60	Stesa	Contact: Company: Address: Address: Phone: Fax: PO#/Refere	SAN'S most	/			F	Lab Job #: Chain of Cust Page Temperature	ody Number:	64902 4.4
pject	100	Deston IDOT-OG Mont, IL Dan Cukierski	Client Project #			Preserv Param	-	)Cs	SUOC	L letals	TCLP/SRP Metals	t					2.1 3.1 5.7 6.7 7.6	Preservative Key ICL, Cool to 4° IZSO4, Cool to 4° INO3, Cool to 4° INO3, Cool to 4° INO3, Cool to 4° NaOH/Zn, Cool to 4° NaHSO4 Zool to 4° None Dither
Tran In	MSMSD	Sample ID		Date	npling Time	# of Containers	Matrix	NC		ACL	1 1 1 2 1 2	HA					C	mments
		FG-4 (05-1.5)-1		10/14/13			5	×	+	$\times$	×	×		-	1.1.1			
4		TG-4 (0.5-1.5)-10		NU/M/B	080		5	×	$\times$	×	$\times$	$\times$			1			
1		T6-5 (05-1.5)-1.		10/14/13	0890		5	5	×	×	×	×			1.1.1.			
		TG-6 (0.5-1.5)-	01413	10/14/12	0830	9	5	>	>	$\times$	×	$\times$		1				
		MT-1 (0,5-1.5)		10/14/15	0845	2	5	$\times$	×	$\times$	×	>						
		MT-2 (0.5-15) -1	01413	10/14/15	0905	R	5	×	X	×	X	X	1.1			1		
		PC-1 (0,5-1.5)-1	01413	10/14/12	0920	2	5	×	$\times$	×	×	X						
		PC-2 (0.5-1.5	)-101413	10/14/15	0930	2	5	×	×	×	1	×	1					
		PV-1 (0.5-1.5)	- 101413	10/14/13	0945	2	5.	×	×	×	×	×						
>		WL28-1(0-4)-	101413	10/14/13		2	5-	×	×	X	X	X	-					
1 ques nqui nqui nqui	Day ested Du eshed By kished By Vastev /atcr	Naity Kay Waltr Sc - Sedirent.		Date Date Date Date Date	K	-	P		14 J	eposal by Lab.	Сотралу Сотралу Сотралу	ive for	_Months Dete 10/19/1 Date Date	9	be assessed if a Time Time Time DGOC Time	/	Etained longer than Lab Courier Shipped Hand Delivered	t morith)
W - W S - So SL - S	/ater bil Sludge Viscella Dil	SO - Soil L - Leachale WI - Wipe	अ															

Testame THE LEADER IN ENVIRONMEN 2417 Bond Street, University Park Phone: 708.534.5200 Fax: 7	ITAL TESTING	Cor Add	mpany: <u>W</u> dress: <u>ISO</u> dress: <u>Verr</u> one: <u>847</u> x:	Babu eston E. Bur	ker Ct. :	Ste. 500	Bill To Contact: Company: _ Address: Address: Phone: Fax: PO#/Rafere	SAW	(optional)			L C F	n of Cu .ab.lob#: Chain of Custody I Page Femperature *C of	000 ~ Number: of 4	ly Record 64902
" Wieston	Client Project #			Preservati	0		1.1								Preservative Key HCL, Cool to 49
viect Name IDOT-O	21			Paramete			-							3.	H2SO4, Cool to 4º HNO3, Cool to 4º
ject Location/State	Lab Project#				N	x	6							5.	NaOH, Cool to 4º NaOH/Zn, Cool to 4º NaHSO4
ipler Dan Cukierski	Lab PM			-	U	SUDCS	Metals	TCLE/SRD						7.	Cool to 4º None
p				10	- 0	12	JŽ	1 tel	土				-	9.	Other
Sample ID		Date	Time	# of Containers	12	0)	F	F	0						Comments
WL28-10-4	)-101413D	10/14/13	1010	25		×	~	×	×					1	Animetors
WL28-2103	-1-s)-1014D	10/14/13		25		X	X	×	×						
WL28-3 (0-	3)-101413	10/14/18	1110	23	X	X	×	×	Y						
- WL28-410-2	1)-101413	0/14/1		20	×	×	$\times$	$\times$	$\times$						
5 WL28-5 (05-1		10/14/3		25	X	×	×	×	$\times$						
e VL31-2(05-14		10/14/13	-	25		X	×	$\times$	$\times$	1					
1 VL31-1(0.5-1	5-101413	10/14/13	-	57	10	X	$\times$	×	×				1.11		
8 WP-1 (0.5-1/		10/14/13	1235	21		S	X	X	X		-				_
1 WP-2(0.5-1.		6/14/13	1245	205	-	X	~	×	~						
1 WLSS-allo	5-1.5)- [01413		1.4.4	23	×	1	X	X	×	_	<u> </u>		1		
naround Timo Required (Business Days) 1 Day2 Days6 Days7 quested Due Date			tun other	Sample Di	posal um to Client	Disp	posal by Lab	Arch	live for	_ Months	(A fee may b	e assessed if si	amples are retain	ed longer than	1 month)
nguistand By Compa	ster 10,	Date /14/13		Time 554	Received By	u.	0	TA	-	10/141	3	1554		ab Courier	TA
Alera Compa	TA I	Date 0/4/	B	655	Received By	ZY	(X-	Compatity			13	0600		Shipped	
nguished By Compa	w' · c	Date	- /	Time	Received By	0		Company		Date		Time	Hand	Delivered	
Makix Key           V – Wastewater         SE – Sediment           Water         SO – Soil           Soil         L – Leachato           - Sludge         WI – Wilpo           - Niscallaneous         DW – Drinking           - Oil         Xer           - Oil         Xer	Client Comm	ents		5	0				Lab Comments						



Page 1 of 2 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 III. 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 III. 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

IL 532-2922

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

City: Lockport		State: IL	Zip Code:		
County: Will			Township:		
Lat/Long of app	roximate center o	of site in decimal degrees (D			
Latitude: 41	622660425	Longitude: -88.050171733	3		
(D	ecimal Degrees)	(-Decimal Deg	grees)		
Identify how t	he lat/long data v	vere determined:			
GPS	Map Interpola	ation 🔲 Photo Interpolation	on Survey	C Other	
	-	and a local contract			
	-				
IEPA Site Numb	per(s), if assigned				BOA:
	per(s), if assigned	t: BOL:	BOW:		BOA:
	per(s), if assigned	I: BOL:	BOW:		BOA:
	per(s), if assigned perator Inform Site Own	I: BOL:	BOW:		
II. Owner/Oj	per(s), if assigned perator Inform Site Own	t: BOL: nation for Source Site ner ent of Transportation	BOW:		ite Operator ent of Transportation
<b>II. Owner/Oj</b> Name:	per(s), if assigned <b>perator Inforn</b> Site Own Illinois Departme	t: BOL: nation for Source Site ner ent of Transportation	BOW:	S	ite Operator ent of Transportation
II. Owner/Op Name: Street Address:	per(s), if assigned <b>perator Inforn</b> Site Own Illinois Departme	t: BOL: nation for Source Site ner ent of Transportation	BOW: Name: Street Address:	S	ite Operator ent of Transportation
II. Owner/Oj Name: Street Address: PO Box:	per(s), if assigned <b>Derator Inform</b> Site Own Illinois Departme 201 West Cente	t: BOL: nation for Source Site ner ent of Transportation er Court 	BOW: Name: Street Address: PO Box:	S Illinois Departm 201 West Cente	ite Operator ent of Transportation er Court State: IL

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 III. 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 III. 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 bellef, 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 Trans	nsportation					_
Street Address:	2300 South Dirksen Parky	way		-		-	
City:	Springfield	State:	IL	Zip Code	62764	muninin	
Phone:	217-785-4246				AND.	JEN GOBEL	2
Steven Gobelman, P.	E., L.P.G				10:	196-000598	1
Printed N	lame:				1	LICENSED	-
SL			12/2	4/15		PROFESSIONAL	-
Licensed Professio	onal Engineer or		1	Date:	10	GEOLOGIST	E
Licensed Profession	onal Geologist Signature:				11	97	i.
U					"	OF ILL	
						PE or L.P.C	5. Seal:

#### Summary Table of ISGS Sile No. 2518-28 Comparison of Detected Constituents to Applicable Reference Concentrations Soli 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	
Sample Date Location ID	10/14/2013 WL28-2	Soil Reference
Depth	0.5 - 1.5	Concentrations
Parameter	0.0 - 1.0	
Laboratory pH (s.u.)	7.77	<6.25.>9.0
VOCs (ug/kg)	None Detected	-0.20,-0.0
SVOCs (ug/kg)	None Detected	
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	1800
Phenanthrene	100	210000
Pyrene	220	2300000
Total Metals (mg/kg)	230	
Aluminum, Total	5000 B	9200 / 9500
Arsenic, Total	9.1	11.3/13
Barium, Total	42 8	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)	Text TV	
Arsenic, SPLP	0.041 J	0.05
Barium, SPLP	0.34 .1	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

100/2001.11201002148553Appc312

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#### 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

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. 

) WV9/W2900/000112012012027048553/Appel 00:50

2.01

# **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:

LINKS

Review your project results through

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Visit us at:

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

Attn: Mr. S. Babusukumar

Rillh

Authorized for release by: 10/27/2013 12:31:44 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: 500-64902-1

Client Sample ID; WL28-2(0.5-1.5)-101413	Lab Sample ID: 500-64902-12
Date Collected: 10/14/13 10:35	Matrix: Solid
Date Received: 10/15/13 06:00	Percent Solids: 77.7

Method: 8260B - VOC		1.1	124		100	1.1			Sec. 1
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6,4		ug/Kg	0		10/18/13 15:31	1
Benzene	<6.4		6.4		ug/Kg	a		10/18/13 15:31	1
Bromodichloromethane	<6.4		6.4		ug/Kg	D		10/18/13 15:31	1
Bromoform	<6.4		6.4		ug/Kg	p.		10/18/13 15:31	1
Bromomethane	<6.4		6.4	1.9		0		10/18/13 15:31	1
Carbon disulfide	<6,4		6.4		ug/Kg	ġ.		10/18/13 15:31	
Carbon tetrachloride	<6.4		6.4		ug/Kg	0		10/18/13 15:31	1
Chlorobenzene	<6.4		6.4		ug/Kg	0.		10/18/13 15:31	1
Chloroethane	<6.4		6.4		ug/Kg	0		10/18/13 15:31	1
Chloroform	<6.4		6.4	0.74	ug/Kg	9		10/18/13 15:31	1
Chloromethane	<6.4		6.4	1.4	ug/Kg	0		10/18/13 15:31	1
cis-1,2-Dichloroethene	<6.4		6.4	0.91	ug/Kg	0		10/18/13 15:31	
sis-1,3-Dichloropropene	<6.4		6.4	0.84	ug/Kg	05		10/18/13 15:31	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg	0		10/18/13 15:31	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg	0		10/18/13 15:31	
1,2-Dichloroethane	<6.4		6.4	0.95	ug/Kg	0-		10/18/13 15:31	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg	0		10/18/13 15:31	1
1,2-Dichloropropane	<6.4		6.4	0.98	ug/Kg	0		10/18/13 15:31	1
,3-Dichloropropene, Total	<6.4		6.4	0.84	ug/Kg	ġ.		10/18/13 15:31	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg	0.		10/18/13 15:31	1
2-Hexanone	<6.4		6.4	1.9	ug/Kg	œ		10/18/13 15:31	
Methylene Chloride	<6.4		6.4	1.7	ug/Kg	0:		10/18/13 15:31	4
Aethyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	0		10/18/13 15:31	1
nethyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg	0		10/18/13 15:31	
Methyl tert-butyl ether	<6.4		6.4	4.1	ug/Kg	Ó		10/18/13 15:31	3
Styrene	<6.4		6.4	0.84	ug/Kg	0		10/18/13 15:31	1 3
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg	D		10/18/13 15:31	
fetrachloroethene	<6.4		6.4	0.98	ug/Kg	o		10/18/13 15:31	
foluene	<6.4		6.4	0.90	ug/Kg	0		10/18/13 15:31	
rans-1,2-Dichloroethene	<6.4		6.4	0.89	ug/Kg	0		10/18/13 15:31	
rans-1,3-Dichloropropene	<6.4		6,4	1.2	ug/Kg	0		10/18/13 15:31	
1,1,1-Trichloroethane	<6.4		6.4	0.96		0		10/18/13 15:31	
1, 1, 2-Trichloroethane	<6.4		6.4	0.88		o,		10/18/13 15:31	
Trichloroethene	<6.4		6.4	1.1				10/18/13 15:31	
/invl chloride	<6.4		6.4		ug/Kg	ō.		10/18/13 15:31	
(ylenes, Total	<13		13		ug/Kg	p		10/18/13 15:31	
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 3
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									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorobenzene	<210	1	210	48	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
,2-Dichlorobenzene	<210		210	46	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	3
,3-Dichlorobenzene	<210		210	-44	ug/Kg	Q.	10/18/13 16:57	10/24/13 13:53	1
1,4-Dichlorobenzene	<210		210	44	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
2,2'-oxybis[1-chloropropane]	<210		210	-47	ug/Kg	õ	10/18/13 16:57	10/24/13 13:53	1

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Cline		manla	Dee	
Clier	11 5a	mble	e Res	uits

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

Date Collected: 10/14/13 10:35

Client Sample ID: WL28-2(0.5-1.5)-101413

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

TestAmerica Job ID: 500-64902-1

ate Received: 10/15/13 06:00								Percent Soli	ds: 77.7
Method: 8270D - Semivolatile C	Organic Compou	nds (GC/MS) (	Continued)	1.32				in the second	
Analyte	and the second sec	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	120	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
2,4,6-Trichlorophenol	<420		420	53	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
2,4-Dichlorophenol	<420		420	130	ug/Kg	0F	10/18/13 16:57	10/24/13 13:53	1
2,4-Dimethylphenol	<420		420	130	ug/Kg	Q:	10/18/13 16:57	10/24/13 13:53	1
2,4-Dinitrophenol	<850		850	220	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
2,6-Dinitratoluene	<210		210	50	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
2-Chloronaphthalene	<210		210	48	ug/Kg	CT-	10/18/13 16:57	10/24/13 13:53	1
Chlorophenol	<210		210	60	ug/Kg	Ċ.	10/18/13 16:57	10/24/13 13:53	1
Methylnaphthalene	<210		210	55	ug/Kg	0-	10/18/13 16:57	10/24/13 13:53	1
Methylphenol	<210		210	56	ug/Kg	Q.	10/18/13 16:57	10/24/13 13:53	1
Nitroaniline	<210		210	76	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
Nitrophenol	<420		420	66	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
& 4 Methylphenol	<210		210	80	ug/Kg	Ø.	10/18/13 16:57	10/24/13 13:53	1
3'-Dichlorobenzidine	<210		210	35	ug/Kg	D	10/18/13 16:57	10/24/13 13:53	1
Nitroaniline	<420		420	81	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
6-Dinitro-2-methylphenol	<420		420	100	ug/Kg	o,	10/18/13 16:57	10/24/13 13:53	1
Bromophenyl phenyl ether	<210		210	47	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
-Chloro-3-methylphenol	<420		420	200	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
Chloroaniline	<850		850	130	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
-Chlorophenyl phenyl ether	<210		210	66	ug/Kg	a	10/18/13 16:57	10/24/13 13:53	1
Nitroaniline	<420		420	87	ug/Kg	ō	10/18/13 16:57	10/24/13 13:53	1
Nitrophenol	<850		850	230	ug/Kg	a	10/18/13 16:57	10/24/13 13:53	1
cenaphthene	<42		42	13	ug/Kg	a	10/18/13 16:57	10/24/13 13:53	1
cenaphthylene	11	J	42	9.7	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
nthracene	29	J	42	9.9	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
lenzo[a]anthracene	160		42	8.8	ug/Kg		10/18/13 16:57	10/24/13 13:53	4
Senzo[a]pyrene	160		42	7.7	ug/Kg	ō.	10/18/13 16:57	10/24/13 13:53	1
Benzo[b]fluoranthene	210		42	8.2	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
lenzo[g,h,i]perylene	240		42	14	ug/Kg	a	10/18/13 16:57	10/24/13 13:53	1
enzo[k]fluoranthene	69		42	10	ug/Kg	ö.	10/18/13 16:57	10/24/13 13:53	1
lis(2-chloroethoxy)methane	<210		210	47	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
lis(2-chloroethyl)ether	<210		210	63	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
Bis(2-ethylhexyl) phthalate	<210		210	56	ug/Kg	ä	10/18/13 16:57	10/24/13 13:53	1
Sutyl benzyl phthalate	<210		210	53	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
arbazole	<210		210	59	ug/Kg	0-	10/18/13 16:57	10/24/13 13:53	1
hrysene	220		42		ug/Kg	Ċ.	10/18/13 16:57	10/24/13 13:53	1
and the second se	62		42		ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
)ibenz(a,h)anthracene )ibenzofuran	<210		210	51	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	4
iethyl phthalate	<210		210	70	ug/Kg	a	10/18/13 16:57	10/24/13 13:53	
imethyl phthalate	<210		210		ug/Kg	Đ-	10/18/13 16:57	10/24/13 13:53	
						Q.			4
)i-n-butyl phthalate	<210		210	53	ug/Kg	Ó.	10/18/13 16:57	10/24/13 13:53	1
i-n-octyl phthalate	<210		210	86	ug/Kg	0.	10/18/13 16:57	10/24/13 13:53	
luoranthene	140		42	17	ug/Kg		10/18/13 16:57	10/24/13 13:53	
luorene	<42		42	9.6	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
lexachlorobenzene	<85		85	8.3	ug/Kg		10/18/13 16:57	10/24/13 13:53	1
lexachlorobutadiene	<210		210	55	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
Hexachlorocyclopentadiene	<850		850	200	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
Hexachloroethane	<210		210	45	ug/Kg	0-	10/18/13 16:57	10/24/13 13:53	1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Aver	nue - 021		t Sample F				TestAmeri	ca Job ID: 500-	64902-1
lient Sample ID: WL28	-2(0.5-1.5)-10141	3					Lab Samp	le ID: 500-64	902-12
ate Collected: 10/14/13 10:3									x: Solid
ate Received: 10/15/13 06:0	0							Percent Soli	
Method: 8270D - Semivolati Analyte		nds (GC/M Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ndeno[1,2,3-cd]pyrene	110		42	14	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
sophorone	<210		210	47	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
laphthalene	15	1	42	8.1	ug/Kg	10F	10/18/13 16:57	10/24/13 13:53	1
Vitrobenzene	<42		42	13	ug/Kg	Q.	10/18/13 16:57	10/24/13 13:53	1
V-Nitrosodi-n-propylamine	<210		210	54	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
4-Nitrosodiphenylamine	<210		210	57	ug/Kg	0	10/18/13 16:57	10/24/13 13:53	1
Pentachlorophenol	<850		850	210	ug/Kg	0	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		¢.	10/18/13 16:57	10/24/13 13:53	1
Pyrene	220		42	15	ug/Kg	0	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
Vitrobenzene-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 (ICI		and and					-	in the second	
Analyte	11.22.000	Qualifier	RL	MDL	in the second se	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	10	0.050	0.010			10/23/13 11:30	10/24/13 22:29	1
Barium	0.43	JB	0.50	0.010			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	
Dadmium	<0.0050		0.0050	0.0020	mg/L		10/23/13 11:30	10/24/13 22:29	
Chromium	<0.025		0.025	0.010	mg/L		10/23/13 11:30	10/24/13 22:29	
Cobalt	<0.025 <0.025		0.025	0.0050	mg/L		10/23/13 11:30	10/24/13 22:29 10/24/13 22:29	1
Dopper	<0.20			0.010	mg/L				1
ron			0.20	0.20			10/23/13 11:30	10/24/13 22:29	
lead	<0.0075		0.0075	0.0050	mg/L		10/23/13 11:30 10/23/13 11:30	10/24/13 22:29 10/24/13 22:29	- 1
Vlanganese Nickél	0.033 <0.025		0.025	0.010			10/23/13 11:30	10/24/13 22:29	1
Selenium	<0.025		0.025	0.010			10/23/13 11:30	10/24/13 22:29	1
Silver	<0.025		0.050	0.0050	mg/L mg/L		10/23/13 11:30	10/24/13 22:29	
Zinc	0.044	(R	0.025	0.0050			10/23/13 11:30	10/24/13 22:29	
LINC.	0.044		0.10	0.020	ingr.		10/20/10 11:00	10/24/10 22.20	
Method: 6010B - Metals (IC									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Arsenic	0.041		0.050	0.010			10/23/13 11:30	10/25/13 01:59	1
Barium	0.34	J	0,50	0.010			10/23/13 11:30	10/25/13 01:59	1
Beryllium	<0.0040		0.0040	0.0040	and the second s		10/23/13 11:30	10/25/13 01:59	1
Sadmium	<0.0050		0.0050	0.0020			10/23/13 11:30	10/25/13 01:59	1
Chromium	0.052		0,025	0.010			10/23/13 11:30	10/25/13 01:59	1
Cobalt	0.026		0.025	0.0050			10/23/13 11:30	10/25/13 01:59	1
Copper	0.13		0.025	0.010			10/23/13 11:30	10/25/13 01:59	1
ron	79		0.20		mg/L		10/23/13 11:30	10/25/13 01:59	1
_ead	0.19		0.0075	0.0050			10/23/13 11:30	10/25/13 01:59	1
Vlanganese	0,62		0.025	0.010			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

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue -	021	onent	Sample F	coults			TestAmeri	ca Job ID: 500-(	54902-1
Client Sample ID: WL28-2(0. ate Collected: 10/14/13 10:35 ate Received: 10/15/13 06:00	5-1.5)-10141	3					Lab Samp	le ID: 500-64 Matri	902-12 x: Solid
Method: 6010B - Metals (ICP) - S Analyte		tinued) 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	в	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		D	Prepared	Analyzed	Dil Fac
Aluminum	5000	В	12	1.1	1.2.2	a	10/17/13 09:00	10/18/13 19:31	1
Antimony	<1.2		1.2		mg/Kg	a	10/17/13 09:00	10/18/13 19:31	1
Arsenic	9.1	6	0.60		mg/Kg	0	10/17/13 09:00	10/18/13 19:31	1
Barium	42	В	0.60	0.064		õ	10/17/13 09:00	10/18/13 19:31	1
Beryllium	0.44		0.24	0.021	mg/Kg	D D	10/17/13 09:00	10/18/13 19:31	1
Cadmium	0.44		0.12		mg/Kg	0	10/17/13 09:00	10/18/13 19:31	1
Calcium	51000		12 0.60		mg/Kg	0	10/17/13 09:00	10/18/13 19:31 10/18/13 19:31	1
Chromium	15			0.069	mg/Kg	a			
Cobalt	5.8	в	0.30	0.021	mg/Kg mg/Kg	0	10/17/13 09:00	10/18/13 19:31 10/18/13 19:31	1
Copper	16000		12	4.9		0	10/17/13 09:00	10/18/13 19:31	1
Lead	130		0.30		mg/Kg	ġ.	10/17/13 09:00	10/18/13 19:31	1
Magnesium	30000	B	6.0	1.2	and the second	ă	10/17/13 09:00	10/18/13 19:31	1
Manganese	430		0.60	0.032		0	10/17/13 09:00	10/18/13 19:31	1
Nickel	16	B	0.60	0.059		0	10/17/13 09:00	10/18/13 19:31	
Potassium	1100		30		mg/Kg	Ċ.	10/17/13 09:00	10/18/13 19:31	1
Selenium	<0.60	5	0.60	0.21	mg/Kg	œ	10/17/13 09:00	10/18/13 19:31	1
Silver	<0.30		0.30	0.022		œ.	10/17/13 09:00	10/18/13 19:31	1
Sodium	290	в	60	8.0		ò	10/17/13 09:00	10/18/13 19:31	1
Strontium	26	B^	0.30		mg/Kg	o	10/17/13 09:00	10/18/13 19:31	1
Thallium	0.45	J	0.60	0.25	mg/Kg	OF	10/17/13 09:00	10/18/13 19:31	1
Vanadium	14	B	0.30	0.044	mg/Kg	à.	10/17/13 09:00	10/18/13 19:31	1
Zinç	98	в	1.2	0.24	mg/Kg	CI-	10/17/13 09:00	10/18/13 19:31	t
Method: 7470A - Mercury (CVAA	) - TCLP								
Analyte	131344	Qualifier	RL	MDL	- Anne	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		area -	100	-	17.10		( a chit	ALCOND.	
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Mercury	0.15	1	0.20	0.020	ug/L		10/23/13 15:00	10/24/13 11:25	1
Method: 7471B - Mercury in Soli Analyte		Waste (Man Qualifier	ual Cold Vapo RL	Technie MDL		D	Prepared	Analyzed	Dil Fac
Mercury	58		21		ug/Kg	- <del>a</del>	10/17/13 15:15	10/18/13 12:34	1
	50			10	-3.1.3				
General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.77	waamer	0.200	0.200			riepareu	10/18/13 13:54	Dil Fac

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	Definitions/Glossary
	I Solutions, Inc. TestAmerica Job ID: 500-64902- DOT - New Avenue - 021
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.
A.	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related OC 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
F	applicable. 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.
0	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
GNF	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 Umit
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 Centrol
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)
- TEO Toxicity Equivalent Ouotient (Dioxin)

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TestAmerica Job ID: 500-64902-1

13

Cal	tifiar	tion	Summ	
Cel	TUIICa	шоп	Summ	arv

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

#### Laboratory: TestAmerica Chicago

uthority	Program	EPA Region	Certification ID	Expiration Date
labama	State Program	4	40461	04-30-14
alifornia	NELAP	9	01132CA	04-30-14
eorgia	State Program	4	N/A	04-30-14
awaii	State Program	9	N/A	04-30-14
nois	NELAP	5	100201	04-30-14
diana	State Program	5	C-IL-02	04-30-14
wa	State Program	7	82	05-01-14
ansas	NELAP	7	E-10161	10-31-13
ntucky	State Program	4	90023	12-31-13
entucky (UST)	State Program	4	66	04-30-14
uisiana	NELAP	6	30720	06-30-14
ssachusetts	State Program	1	M-IL035	06-30-14
ssissippi	State Program	4	N/A	04-30-14
rth Carolina DENR	State Program	4	291	12-31-13
orth Dakota	State Program	8	R-194	04-30-14
lahoma	State Program	6	8908	08-31-14
outh Carolina	State Program	4	77001	04-30-14
xas	NELAP	6	T104704252-09-TX	02-28-14
DA	Federal		P330-12-00038	02-06-15
consin	State Program	5	999580010	08-31-14
oming	State Program	8	BTMS-O	04-30-14

TestAmerica Chicago

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THE	LEADER IN ENVIRONMENT 2417 Bond Street, University Park, Phone: 708.534,5200 Fax: 708	16	Add Add Pho	1		ills, J	2L 6C		<ul> <li>Company:</li> <li>Address:</li> <li>Address:</li> <li>Phone:</li> <li>Fax:</li> <li>PO#/Refere</li> </ul>	SAN				Page	n of Custody Number:	-64902 - 4.4
Le	Neston ITDOT-O cation/Slate ockport, IL	Lab Project#			Preserv Param		, Y	x X	sla	PLP Rals						Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 5. NaOH, Cool to 4° 5. NaOHIZn, Cool to 4° 5. NaHSO4 4. Cool to 4°
plet V	Dan Cukierski Bample ID	Lab PM	Date	npling Time	# of Containers	Matrix	VOO	SUOS	TCL	TCLP/SAP	HA					3, None 3, Other Commants
	TG-4 (05-15)-	101415	10/14/1	080		5	×	+	$\times$	×	×					
	TG-4 (0.5-1.5)-1	UI41D	NU/M/B	080	2	5	×	$\times$	×	$\times$	$\times$			10 T		
	T6-5 (05-1.5)-	101413	10/14/13	0890		5	5	×	×	×	×		1.11			
	T6-6 (0.5-1.5)	101413	10/14/12	0830	9	5	>	>	$\times$	×	$\times$					
	MT-165-1.5		10/14/15	0845	2	5	$\times$	×	$\times$	$\times$	>			1.11		
	MT-2 (0.5-1.5) -	01413	10/14/15	0905	2	5	×	X	×	X	X		1		Ø 1	
	PC-1 (0,5-1.5)-	101413	10/14/12	0920	8	5	×	$\times$	×	×	×					
	PC-2 (0.5-1.	5)-101413	10/14/15	0930	2	5	×	×	×	1	×	1.2				
	PV-1 (0.5-1.5	5)-101413	10/14/13	0945	2	5	×	×	×	×	×					
	WL28-16-4)	-101413	10/19/13	1010	2	S.	×	×	X	X	X					
1 Da	ad Due Date ad By DICh Company DICh Wes	sten (	15 Days 5	other Other	Sample	Return to			posal by Lab.	Arch	ive for	_Months	(A fee may be	Time	bles are retained longer that	an 1 month) TA-
-	XELO 7	A I	0/14/1-	3 /	655		weating of	18	Gt.	VA			3	0600	Shipped	
quishe	ed By Company		Date		lime	F	Received By	0		Company		Date		Time	Hand Delivered	
Wate Soil Slud	L-Leachale	Client Com	ments								Lab Comments	ł.				

THE LEADER IN ENVIRONMENT 2417 Bond Street, University Park, Phone: 708.534.5200 Fax: 708	TAL TESTING	Compar Address Address	ny: W s: <u>750</u> s: Vern	(options Babys eston & Bunk was Hills - 918-0	er Ct. S	ste. 500	Bill To Contact: Company: _ Address: Address: Phone: Fax: PO#/Refere	SAN	(optional)			Lab Jo Chain Page _	of Custoo b #: 500 ~ of Custody Number: R of 4 wature *C of Cooler:	ly Record 64902
Weston	Client Project #	-		Preservative		1.01	1							Preservative Key
ject Name IDOT - OR	21			Parameter							-		23	H2SO4, Cool to 4º HNO3, Cool to 4º
ect Location/State	Lab Project#		-		10	x	1-	1.1					6	NaOH, Cool to 4º NaOH/Zn, Cool to 4º
webport;IL	Lab PM			-	Ű	N	tals	als als					6, NaHSO4 7, Cool to 4* 8, None	
Lan Cukierski	1	-	_	10	Ó	3	Metals	Metals	士					, None , Other
Sample ID	_	Samplin		# of Containers Matrix	>	SUDCS	2-	TCLE/SRUP	0					
Sample 10 WL28-1(0-4)		Dale /(4//3 1<	Time		~		~	~	×		-		-	Comments
WL28-2105				25	~	X	X	X	×					
WL28-3 (0-3	10-101-10		110	200	5	3	X	1	X				-	
- WL28-410-2			135	25	X	X	X	X	X					
5 WL28-5 (05-1:			150	25	3	X	X	x	X					
e VL31-2(05-15	) 1014(3 (0)		210	24	~	X	X	1×	X					
VL31-1(0.5-1:	5-101413 14		220	25	-	X	X		X				_	
3 WP-1 (0.5-15	and the second second second		235	52	X	X	X	×						
1 69-2(0.5-1.5			245	25	X	X	X	X	X	-				
0 W133-2005	-1.51-101412 10	-	1305	25	V	X	N	C	X		-			
1.1.0	, 1-, 113 [1			100	$\sim$		X	~						
naround Timo Required (Business Days) 1 Day 2 Days 6 Days 7 D	hays 10 Days 15 Day	ys Stur	Other	Sample Dispo	to Client	Disp	osal by Lab	Amh	ive for	Months	IA fee meu	he assessed if some	s are retained longer tha	a 1 mosth)
uested Due Date	/Date		.1	Time	Received By	13		Longeny -			h	Time	1 -	,
nguisted By Company	ten 10/14/ Date	/13		554	Received By-	5	0	LA	-	Date /	12	1554	Lab Courier	TA
Alyo T	A 101	H/B	/	655		X	St.	AL		10 (13	5/13	0600	Shipped	
nduished by Company	- Date			lima	Received By	U		Company		Date		Time	Hand Delivered	-
Matrix Key         Sediment.           I - Wastewater         SE - Sediment.           Water         SO - Sedi           Soll         L - Leachate           Subge         Wil P           - Miscalleneous         DW - Drinking W           - Oil         O - Other	Client Comments								Lab Comments					
200	1					Page 16			-					10/27/2013



Illinois Environmental Protection Agency Page 1 of 2

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 III. 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 III. 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)

City: Lockport		State:	<u>IL</u>	Zip Code:		
County: Will				Township:		
Lat/Long of app	roximate center o	of site in deci	imal degrees (DI	D.ddddd) to five dec	cimal places (e.g	., 40.67890, -90.12345):
Latitude: 41	.635464357 l	Longitude:	-88.049031414			
(De	ecimal Degrees)		(-Decimal Degr	ees)		
Identify how t	he lat/long data w	vere determi	ned:			
GPS	Map Interpola		hoto Internalatio	n 🗆 Survey	Other	
	_ widp interpola		noto interpolatic	I Survey		
			noto interpolatic			
	per(s), if assigned					BOA:
						BOA:
IEPA Site Numb	per(s), if assigned	BOL				
IEPA Site Numb	per(s), if assigned perator Inform Site Owr	: BOL nation for ner	Source Site	BOW:	s	Site Operator
IEPA Site Numb	per(s), if assigned perator Inform Site Owr Illinois Departme	BOL BOL Dation for Der Eent of Transp	Source Site		S	Site Operator ment of Transportation
IEPA Site Numb	per(s), if assigned perator Inform Site Owr	BOL BOL Dation for Der Eent of Transp	Source Site	BOW:	s	Site Operator ment of Transportation
IEPA Site Numb	per(s), if assigned perator Inform Site Owr Illinois Departme	BOL BOL Dation for Der Eent of Transp	Source Site	BOW:	S S	Site Operator ment of Transportation
IEPA Site Numt II. Owner/Op Name: Street Address:	per(s), if assigned perator Inform Site Owr Illinois Departme	: BOL nation for ner ent of Transp r Court	Source Site	BOW: Name: Street Address:	S S	Site Operator ment of Transportation
IEPA Site Numt II. Owner/Op Name: Street Address: PO Box:	per(s), if assigned perator Inform Site Owr Illinois Departme 201 West Center	: BOL nation for ner ent of Transp r Court	Source Site	BOW: Name: Street Address: PO Box:	S Illinois Departm 201 West Cent	Site Operator nent of Transportation er Court

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 III. 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 III. 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 III. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil prime the soil prime 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 Trai	nsportation	-			
Street Address:	2300 South Dirksen Parky	way				
City:	Springfield	State:	11	Zip Code:	62764	
Phone:	217-785-4246				and a	JEN GOBEL
Steven Gobelman, P.E. Printed Na Licensed Profession Licensed Profession	ame:		12/2	y/JS Date:	18 Strantin	196-000598 LICENSED PROFESSIONAL GEOLOGIST

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

	and the first second second
10/14/2013 WP-1	Soil Reference
0.5-1.5	Concentrations
7.82	≈6.25,≥9.0
None Detected	
58 J	
	85000
	1.20E+07
	900 / 1100 / 1800
	90 / 1300 / 2100
	900 / 1500 / 2100
	2300000
	46000
	88000
	90 / 200 / 420
640	3100000
17 J	560000
310	900/900/1600
37 J	1800
290	210000
610	2300000
	9200 / 9500
	11.3/13
	1500
	22
	5,2
	21
	21
	2900
	15000 / 15900
	107
30000 B	325000
530 B	630 / 636
0.066 J	0.89
17 B	100
1300 B	
0.038 J	4.4
870 B	-
	84
	2.0
	550
110.8	5100
1.8	2
	0.65
	0.05
	0.002
	5
D.039 J	0.05
0.3 J	2
0.069	0.1
0.024 J	- t
0.13	0.65
77	5
	0.0075
	0,15
	0.002
0.077	0.1
	WP-1           0.5-15           7.82           None Detected           58 J           24 J           59           480           490           690           440           220           84 J           820           170           640           17 J           310           37 J           290           610           6400 B           8.5           83 B           0.55           0.6           54000 B           16 B           7.2 B           33           17000           130 B           30000 B           630 B           0.086 J           17 B           130 B           30000 B           630 B           0.038 J           870 B           39 J           0.038 J           10 B           110 B           110 B           110 B           110 B           10 B

1.00/_00/_01/_01/00/04055/AppC11_5×

10.0

#### 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.

Shaded values indicate concentration exceeds Reference Concentration.

100.0

# **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:

LINKS

Review your project results through

Have a Question?

www.testamericainc.com

Visit us at:

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

Attn: Mr. S. Babusukumar

Rillh

Authorized for release by: 10/27/2013 12:31:44 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: 500-64902-1

Client Sample ID; WP-1(0.5-1.5)-101413	Lab Sample ID: 500-64902-18
Date Collected: 10/14/13 12:35	Matrix: Solid
Date Received: 10/15/13 06:00	Percent Solids: 75.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cetone	<6.6		6.6	2.9	ug/Kg	0		10/18/13 17:54	1
Senzene	<6.6		6.6	0.91	ug/Kg	o		10/18/13 17:54	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg	D		10/18/13 17:54	1
romoform	<6.6		6.6	1.5	ug/Kg			10/18/13 17:54	1
romomethane	<6.6		6.6	2.0	ug/Kg	0		10/18/13 17:54	1
arbon disulfide	<6.6		6.6	0.99	ug/Kg	ġ.		10/18/13 17:54	1
arbon tetrachloride	<6.6		6.6	1.2	ug/Kg	0.1		10/18/13 17:54	1
hlorobenzene	<6.6		6.6	0.67	ug/Kg	0.		10/18/13 17:54	1
hloroethane	<6.6		6.6	1.8	ug/Kg	- 01		10/18/13 17:54	1
hloroform	<6.6		6.6	0.76	ug/Kg	91		10/18/13 17:54	1
hloromethane	<6.6		6.6	1.4	ug/Kg	0		10/18/13 17:54	1
is-1,2-Dichloroethene	<6.6		6.6	0.94	ug/Kg	0		10/18/13 17:54	
is-1,3-Dichloropropene	<6.6		6.6	0.87	ug/Kg	05		10/18/13 17:54	t
Dibromochloromethane	<6.6		6.6	1.2	ug/Kg	0		10/18/13 17:54	4
1-Dichloroethane	<6.6		6.6	1.1		a		10/18/13 17:54	1
2-Dichloroethane	<6.6		6.6	0.98	ug/Kg	0-		10/18/13 17:54	t
1-Dichloroethene	<6.6		6.6	1.1	ug/Kg	0.		10/18/13 17:54	1
.2-Dichloropropane	<6.6		6.6	1.0	ug/Kg	0		10/18/13 17:54	
,3-Dichloropropene, Total	<6.6		6.6	0.87	ug/Kg	ů.		10/18/13 17:54	
thylbenzene	<6.6		6.6	1.3	ug/Kg	0.		10/18/13 17:54	1
Hexanone	<6.6		6.6	1.9	ug/Kg	0-		10/18/13 17:54	
Aethylene Chloride	<6.6		6.6	1.8	ug/Kg	0.		10/18/13 17:54	1
lethyl Ethyl Ketone	<6.6		6.6	2.4	ug/Kg	0		10/18/13 17:54	1
nethyl isobutyl ketone	<6.6		6.6	1.7	ug/Kg	0		10/18/13 17:54	
Aethyl tert-butyl ether	<6.6		6.6	4.4	ug/Kg	6		10/18/13 17:54	
tyrene	<6.6		6.6	0.87	ug/Kg	0.		10/18/13 17:54	1
1,2,2-Tetrachloroethane	<6.6		6.6	1.3	ug/Kg	D-		10/18/13 17:54	1.1
etrachloroethene	<6.6		6.6	1.0	ug/Kg	Ċ.		10/18/13 17:54	
oluene	<6.6		6.6	0.93	ug/Kg	0		10/18/13 17:54	1
ans-1.2-Dichloroethene	<6.6		6.6	0.91	ug/Kg	0		10/18/13 17:54	
ans-1,3-Dichloropropene	<6.6		6.6	1.2		0		10/18/13 17:54	
1,1-Trichloroethane	<6.6		6.6	0.99	ug/Kg	0		10/18/13 17:54	
1.2-Trichloroethane	<6.6		6.6	0.95	ug/Kg	0		10/18/13 17:54	1.1
richlaroethene	<6.6		6.6	1.1	ug/Kg	-		10/18/13 17:54	
/inyl chloride	<6.6		6.6	1.4	ug/Kg	ö.		10/18/13 17:54	
(ylenes, Total	<13		13	0.60	ug/Kg			10/18/13 17:54	
*·								1-11-11-11-11-11-11-11-11-11-11-11-11-1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	97		70 - 122					10/18/13 17:54	1
Dibromofluoromethane	112		75 - 120					10/18/13 17:54	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 Compou	nds (GC/MS	5)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorobenzene	<210		210	48	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
2-Dichlorobenzene	<210		210	46	ug/Kg	ö	10/18/13 16:57	10/24/13 04:23	1
,3-Dichlorobenzene	<210		210	44		œ	10/18/13 16:57	10/24/13 04:23	1
4-Dichlorobenzene	<210		210	44	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	ō	10/18/13 16:57	10/24/13 04:23	1

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**Client Sample Results** 

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

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

TestAmerica Job ID: 500-64902-1

Vethod: 8270D - Semivolatile O Analyte	Result	Qualifier	RL	MDL	1100	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<420		420	120	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
4,6-Trichlorophenol	<420		420	53	ug/Kg	σ.	10/18/13 16:57	10/24/13 04:23	1
4-Dichlorophenol	<420		420	130	ug/Kg	Ø.	10/18/13 16:57	10/24/13 04:23	1
4-Dimethylphenol	<420		420	130	ug/Kg	Q:	10/18/13 16:57	10/24/13 04:23	1
4-Dinitrophenol	<850		850	220	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
4-Dinitrotoluene	<210		210	64	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
6-Dinitrotoluene	<210		210	50	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
-Chloronaphthalene	<210		210	47	ug/Kg	CT	10/18/13 16:57	10/24/13 04:23	1
Chlorophenol	<210		210	60	ug/Kg	O-	10/18/13 16:57	10/24/13 04:23	1
Methylnaphthalene	58	J	210	55	ug/Kg	0-	10/18/13 16:57	10/24/13 04:23	1
Methylphenol	<210		210	56	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
Nitroaniline	<210		210	76	ug/Kg	D	10/18/13 16:57	10/24/13 04:23	1
Nitrophenol	<420		420	66	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
& 4 Methylphenol	<210		210	80	ug/Kg	ø	10/18/13 16:57	10/24/13 04:23	1
3'-Dichlorobenzidine	<210		210	35	ug/Kg	D	10/18/13 16:57	10/24/13 04:23	1
Nitroaniline	<420		420	81	ug/Kg	¢.	10/18/13 16:57	10/24/13 04:23	1
6-Dinitro-2-methylphenol	<420		420	100	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
Bromophenyl phenyl ether	<210		210	47	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
-Chloro-3-methylphenol	<420		420	200	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
Chloroaniline	<850		850	130	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
Chlorophenyl phenyl ether	<210		210	66	ug/Kg	a	10/18/13 16:57	10/24/13 04:23	1
Nitroaniline	<420		420	86	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
Nitrophenol	<850		850	230	ug/Kg	ø	10/18/13 16:57	10/24/13 04:23	1
cenaphthene	<42		42	13	ug/Kg	a	10/18/13 16:57	10/24/13 04:23	1
cenaphthylene	24	J	42	9.7	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
nthracene	69		42	9.9	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
enzo[a]anthracene	480		.42	8.8	ug/Kg	a	10/18/13 16:57	10/24/13 04:23	1
enzo[a]pyrene	490		42	7.7		Ô.	10/18/13 16:57	10/24/13 04:23	1
enzo[b]fluoranthene	690		42	8.2	ug/Kg	ġ,	10/18/13 16:57	10/24/13 04:23	1
enzo[g,h,i]perylene	440		42	14	ug/Kg	c	10/18/13 16:57	10/24/13 04:23	1
enzo[k]fluoranthene	220		42	10	ug/Kg	ö.	10/18/13 16:57	10/24/13 04:23	1
is(2-chloroethoxy)methane	<210		210	46	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
is(2-chloroethyl)ether	≺210		210	62	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
is(2-ethylhexyl) phthalate	84	J	210	56	ug/Kg	6	10/18/13 16:57	10/24/13 04:23	1
utyl benzyl phthalate	<210		210	53	ug/Kg	o	10/18/13 16:57	10/24/13 04:23	1
arbazole	<210		210	59	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
Chrysene	620		42	9.5	ug/Kg	Ö.	10/18/13 16:57	10/24/13 04:23	1
)ibenz(a,h)anthracene	170		42	12	ug/Kg	0-	10/18/13 16:57	10/24/13 04:23	t
Dibenzofuran	<210		210	51	ug/Kg	o.	10/18/13 16:57	10/24/13 04:23	1
Diethyl phthalate	<210		210	70	ug/Kg	Q.	10/18/13 16:57	10/24/13 04:23	
imethyl phthalate	<210		210	53	ug/Kg	Ø-	10/18/13 16:57	10/24/13 04:23	1
i-n-butyl phthalate	<210		210	53	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
0-n-octyl phthalate	<210		210	85	ug/Kg	ò.	10/18/13 16:57	10/24/13 04:23	1
luoranthene	640		42	17	2.12	0	10/18/13 16:57	10/24/13 04:23	
luorantitene	17	Ĵ	42	9.6	ug/Kg	0.	10/18/13 16:57	10/24/13 04:23	4
lexachlorobenzene	<85		#2	8.3	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	
lexachlorobutadiene	<210		210	55	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	
	<210		850	190		0	10/18/13 16:57	10/24/13 04:23	1
lexachlorocyclopentadiene lexachloroethane	<210		210		ug/Kg ug/Kg	0P	10/18/13 16:57	10/24/13 04:23	1

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oject/Site: IDOT - New Avenu	ue - 021						TestAmeri	ca Job ID: 500-6	64902-1
lient Sample ID: WP-1(0	.5-1.5)-101413						Lab Samp	le ID: 500-64	902-18
ate Collected: 10/14/13 12:35	i							Matri	x: Solid
ate Received: 10/15/13 06:00								Percent Soli	ds: 75.3
Mathad 0270D Cambustell	Orenale Company		1 (Continued)						
Method: 8270D - Semivolatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	310		42	14	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
Isophorone	<210		210	47	ug/Kg	o	10/18/13 16:57	10/24/13 04:23	1
Naphthalene	37	J	42	8.1	ug/Kg	ØF	10/18/13 16:57	10/24/13 04:23	1
Nitrobenzene	<42		42	13	ug/Kg	Đ:	10/18/13 16:57	10/24/13 04:23	1
N-Nitrosodi-n-propylamine	<210		210	53	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
N-Nitrosodiphenylamine	<210		210	57	ug/Kg	0	10/18/13 16:57	10/24/13 04:23	1
Pentachlorophenol	<850		850	210	ug/Kg	0	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	D.	10/18/13 16:57	10/24/13 04:23	1
Pyrene	610		42	15	ug/Kg	0	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 Analyte Arsenic		Qualifier	RL	MDL 0.010	- Contraction of the Contraction	D	Prepared 10/23/13 11:30	Analyzed	Dil Fac
Barium	1.0	в	0.50	0.010	1 C		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
			10000		mg/L		10/23/13 11:30	10/24/13 23:23	
	<0.20		0.20	0.20	ting/se		10/20/10 11.00	10/24/15 25:25	1
Iron Lead	<0.20		0.20		mg/L		10/23/13 11:30	10/24/13 23:23	1
Iron Lead					mg/L				1
Iron Lead Manganese	<0.0075		0.0075	0.0050	mg/L mg/L		10/23/13 11:30	10/24/13 23:23	
Iron Lead Manganese Ničkel	<0.0075 0.083		0.0075 0.025	0.0050	mg/L mg/L mg/L		10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23	1
Iron Lead Manganese Nickel Selenium	<0.0075 0.083 ≺0.025		0.0075 0.025 0.025	0.0050 0.010 0.010 0.010	mg/L mg/L mg/L		10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23	1
Iron	<0.0075 0.083 <0.025 <0.050	в	0.0075 0.025 0.025 0.050	0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23	1
Iron Lead Manganese Nickel Selenium Silver	<0.0075 0.083 <0.025 <0.050 <0.025 0.45	в	0.0075 0.025 0.025 0.050 0.050	0.0050 0.010 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23	1 1 1
Iron Lead Manganese Nickel Selenium Silver Zinc	<0.0075 0.033 <0.025 <0.050 <0.025 0.45 ) - SPLP East Result	Qualifier	0.0075 0.025 0.025 0.050 0.025 0.10 RL	0.0050 0.010 0.010 0.010 0.0050 0.020 MDL	mg/L mg/L mg/L mg/L mg/L Unit	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23	1 1 1
iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP	<0.0075 0.083 <0.025 <0.050 <0.025 0.45 ) - SPLP East	Qualifier	0.0075 0.025 0.025 0.050 0.025 0.10	0.0050 0.010 0.010 0.010 0.0050 0.020	mg/L mg/L mg/L mg/L mg/L Unit	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 <b>Analyzed</b> 10/25/13 02:37	1 1 1
Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium	<0.0075 0.083 <0.025 <0.050 <0.025 0.45 ) - SPLP East Result 0.039 0.30	Qualifier	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010	mg/L mg/L mg/L mg/L mg/L Unit mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 <b>Analyzed</b> 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium	<0.0075 0.083 <0.025 <0.050 <0.025 0.45 ) - SPLP East <u>Result</u> 0.039	Qualifier J	0.0075 0.025 0.025 0.050 0.025 0.10 RL 0.050	0.0050 0.010 0.010 0.0050 0.020 0.020 MDL 0.010	mg/L mg/L mg/L mg/L mg/L Unit mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 <b>Prepared</b> 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 <b>Analyzed</b> 10/25/13 02:37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium Beryllium	<0.0075 0.083 <0.025 <0.050 <0.025 0.45 ) - SPLP East Result 0.039 0.30	Qualifier J	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010	mg/L mg/L mg/L mg/L mg/L Unit mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 <b>Prepared</b> 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 <b>Analyzed</b> 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 1 1 1 1
ron Lead Vlanganese Vickel Selenium Silver Zinc Vlethod: 6010B - Metals (ICP Analyte Arsenic Barium Baryllium Sadmium	<0.0075 0.083 <0.025 <0.050 <0.025 0.45 ) - SPLP East Result 0.039 0.30 <0.0040	Qualifier J	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.010 0.0040	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 <b>Analyzed</b> 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 Dil Fac 1 1
Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP Analyte Arsenic	<0.0075 0.083 <0.025 <0.050 <0.025 0.45 ) - SPLP East Result 0.039 0.30 <0.0040 <0.0050	Qualifier J J	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 1 Dil Fac 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Ansenic Barium Barium Baryllium Cadmium Chromium Cobalt	<ul> <li>&lt;0.0075         <ul> <li>0.083</li> <li>&lt;0.025</li> <li>&lt;0.025</li> <li>&lt;0.025</li> <li>&lt;0.45</li> </ul> </li> <li>) - SPLP East         <ul> <li>Result</li> <li>0.039</li> <li>&lt;0.039</li> <li>&lt;0.0040</li> <li>&lt;0.0040</li> <li>&lt;0.0050</li> <li>&lt;0.669</li> </ul> </li> </ul>	Qualifier J J	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.0050 0.025	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Ansenic Barium Barium Barium Cadmium Chromium Cobalt Copper	<ul> <li>&lt;0.0075         <ul> <li>0.083</li> <li>&lt;0.025</li> <li>&lt;0.050</li> <li>&lt;0.025</li> <li>&lt;0.025</li> <li>&lt;0.45</li> </ul> </li> <li>) - SPLP East         <ul> <li>Result</li> <li>0.030</li> <li>&lt;0.030</li> <li>&lt;0.040</li> <li>&lt;0.045</li> <li>&lt;0.0040</li> <li>&lt;0.0050</li> <li>&lt;0.069</li> <li>&lt;0.024</li> </ul> </li> </ul>	Qualifier J J	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.0050 0.025	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.040 0.040 0.040 0.040 0.040 0.040 0.040	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 1 1 1 1 1
Iron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP Analyte Ansenic Barium Beryllium Cadmium Cadmium	<0.0075 0.033 <0.025 <0.050 <0.025 0.45 ) - SPLP East Result 0.039 0.30 <0.0040 <0.0040 0.0059 0.024 0.13	Qualifier J J	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.050 0.0040 0.0050 0.025 0.025	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.040 0.040 0.040 0.040 0.040 0.040 0.040	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	B	10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Ansenic Barium Baryllum Cadmium Cadmium Cobalt Copper Iron Lead	<0.0075 0.083 <0.025 <0.050 <0.025 0.45 ) - SPLP East Result 0.039 0.30 <0.0040 <0.0040 <0.0050 0.069 0.024 0.13 77	Qualifier J J	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.050 0.0040 0.025 0.025 0.025 0.20	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.0040 0.0040 0.0040 0.0050 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Ansenic Barium Beryllium Cadmium Cohromium Cobalt Copper Iron	<0.0075 0.083 <0.025 <0.050 <0.025 0.45 ) - SPLP East Result 0.039 0.30 <0.0040 <0.0050 0.024 0.13 77 0.22	Qualifier J J	0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.0040 0.0050 0.025 0.025 0.025 0.20 0.0075	0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/23/13 11:30 10/23/13 11:30	10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/24/13 23:23 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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Analyte         Result         Qualifier         RL         MDL         Unit           Silver         <0.025         0.025         0.0050         mg/L           Zinc         0.43         B         0.10         0.020         mg/L           Method: 6010B - Total Metals         Analyte         Result         Qualifier         RL         MDL         Unit           Aluminum         6400         B         12         1.1         mg/K           Antimony         <1.2         1.2         0.49         mg/K           Antimony         <1.2         1.2         0.49         mg/K           Antimony         <1.2         1.2         0.49         mg/K           Ansenic         8.5         0.61         0.022         mg/K           Barium         0.65         0.24         0.022         mg/K           Cadmium         0.60         0.12         0.061         mg/K           Cadmium         6.60         0.21         0.061         mg/K           Cadmium         0.60         0.81         0.071         mg/K           Cadmium         0.61         0.22         mg/K         mg/K           Cadmium         72	J/L         D           g/Kg         G	Prepared           10/23/13 11:30           10/23/13 11:30           10/23/13 11:30           Prepared           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00           10/17/13 09:00	Analyzed 10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	902-18 ix: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Silver         <0.025	J/L         D           g/Kg         G	10/23/13 11:30 10/23/13 11:30 Prepared 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Silver         <0.025	J/L         D           g/Kg         G	10/23/13 11:30 10/23/13 11:30 Prepared 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/25/13 02:37 10/25/13 02:37 10/25/13 02:37 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24 10/16/13 20:24	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Zinc         0.43         B         0.10         0.020         mg/L           Method: 6010B - Total Metals         Result         Qualifier         RL         MDL         Unit           Analyte         Result         Qualifier         RL         MDL         Unit           Antimony         1.1         mg/K         Arsenic         8.5         0.61         0.12         mg/K           Arsenic         8.5         0.61         0.022         mg/K         Gamiy         0.65         0.24         0.022         mg/K           Cadmium         0.66         0.12         0.016         mg/K         Gamiy	jkt         D           jKg         a           jKg         a	10/23/13 11:30 Prepared 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	Analyzed 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte         Result         Qualifier         RL         MDL         Unit           Aluminum         6400         B         12         1.1         mg/K           Antimony         <1.2	9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0	10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1 1 1 1 1 1 1 1 1 1 1
Aluminum         6400         B         12         1.1         mg/K           Antimony         <1.2	9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0	10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1 1 1 1 1 1 1 1 1 1 1
Antimony         1.2         1.2         0.49         mg/K           Arsenic         8.5         0.61         0.025         mg/K           Barium         8.3         B         0.61         0.065         mg/K           Beryllium         0.55         0.24         0.022         mg/K           Cadmium         0.60         0.12         0.016         mg/K           Calcium         54000         B         1.2         3.3         mg/K           Coper         33         0.61         0.071         mg/K           Copper         33         0.61         0.054         mg/K           Iron         17000         12         5.0         mg/K           Maganese         530         B         0.61         0.031         mg/K           Nickel         17         B         0.61         0.030         mg/K           Stodium         0.03         0.31 <td>yKg         0           yKg         0</td> <td>10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00</td> <td>10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24</td> <td>1 1 1 1 1 1 1 1 1 1</td>	yKg         0	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1 1 1 1 1 1 1
Arsenic         8.5         0.61         0.12         mg/kj           Barium         83         B         0.61         0.065         mg/kj           Beryllium         0.65         0.24         0.022         mg/kj           Cadmium         0.60         0.12         0.016         mg/kj           Cadmium         0.60         0.12         0.016         mg/kj           Calcium         54000         B         12         3.3         mg/kj           Cobalt         7.2         B         0.31         0.022         mg/kj           Cobalt         7.2         B         0.31         0.022         mg/kj           Copper         33         0.61         0.054         mg/kj           Iron         17000         12         5.0         mg/kj           Lead         130         B         0.31         0.091         mg/kj           Marganese         530         B         0.61         0.033         mg/kj           Solenium         -0.61         0.61         0.022         mg/kj           Solenium         -0.61         0.61         0.22         mg/kj              Soldium         870         B	JiKg o giKg o giKg o giKg o giKg o giKg o giKg o giKg o giKg o	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1 1 1 1 1 1 1 1
Barium         83         B         0.61         0.085         mg/K           Beryllium         0.65         0.24         0.022         mg/K           Cadmium         0.60         0.12         0.016         mg/K           Calcium         54000         B         12         3.3         mg/K           Calcium         54000         B         12         3.3         mg/K           Cobalt         7.2         B         0.31         0.022         mg/K           Cobalt         7.2         B         0.31         0.022         mg/K           Copper         33         0.61         0.55         mg/K           Iron         17000         12         5.0         mg/K           Iron         17000         B         0.51         0.991         mg/K           Mangasium         30000         B         6.1         1.3         mg/K           Nickel         17         B         0.61         0.022         mg/K           Steinium         -0.61         0.61         0.22         mg/K           Storotium         870         B         61         8.2         mg/K           Storotium	yKg 0 yKg 0 yKg 0 yKg 0 yKg 0 yKg 0 yKg 0 yKg 0 yKg 0	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1 1 1 1 1 1 1 1 1
Beryllium         0.65         0.24         0.022         mg/Kg           Cadmium         0.60         0.12         0.016         mg/Kg           Calcium         54000         B         12         3.3         mg/Kg           Chromium         16         B         0.61         0.071         mg/Kg           Cobalt         7.2         B         0.31         0.022         mg/Kg           Copper         33         0.61         0.054         mg/Kg           Iron         17000         12         5.0         mg/Kg           Lead         130         B         0.61         0.031         mg/Kg           Manganese         530         B         0.61         0.033         mg/Kg           Nickel         17         B         0.61         0.022         mg/Kg           Selenium         -0.61         0.61         0.022         mg/Kg           Sodium         870         B         61         8.2         mg/Kg           Strontium         0.42         J         0.61         0.22         mg/Kg           Strontium         0.42         J         0.61         0.22         mg/Kg           <	9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1 1 1 1
Cadmium         0.60         0.12         0.016         mg/K           Calrium         54000         B         12         3.3         mg/K           Calrium         54000         B         12         3.3         mg/K           Chromium         16         B         0.61         0.001         mg/K           Cobalt         7.2         B         0.31         0.022         mg/K           Copper         33         0.61         0.054         mg/K           Korn         17000         12         5.0         mg/K           Magnesium         30000         B         6.1         0.33         mg/K           Magnese         530         B         0.61         0.033         mg/K           Nickel         17         B         0.61         0.033         mg/K           Selenium         <0.61	9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1 1
Calcium         54000         B         12         3.3         mg/K           Chromium         16         B         0.61         0.071         mg/K           Cobalt         7.2         B         0.31         0.022         mg/K           Copper         33         0.61         0.054         mg/K           Iron         17000         12         5.0         mg/K           Lead         130         B         0.31         0.091         mg/K           Maganesium         30000         B         6.1         1.3         mg/K           Maganese         530         B         0.61         0.033         mg/K           Nickel         17         B         0.61         0.060         mg/K           Selenium         <0.61	9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1
Chromium         16         B         0.61         0.071         mg/Kg           Cobalt         7.2         B         0.31         0.022         mg/Kg           Copper         33         0.61         0.054         mg/Kg           Iron         17000         12         5.0         mg/Kg           Lead         130         B         0.31         0.091         mg/Kg           Magnesium         30000         B         6.1         1.3         mg/Kg           Magnese         530         B         0.61         0.033         mg/Kg           Nickel         17         B         0.61         0.060         mg/Kg           Selenium         <0.61	9/Kg 0 9/Kg 0 9/Kg 0 9/Kg 0	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1 1 1 1
Cobalt         7.2         B         0.31         0.022         mg/K           Copper         33         0.61         0.054         mg/K           Iron         17000         12         5.0         mg/K           Lead         130         B         0.31         0.091         mg/K           Magnesium         30000         B         6.1         1.3         mg/K           Magnesium         30000         B         6.1         1.3         mg/K           Magnese         530         B         0.61         0.033         mg/K           Nickel         17         B         0.61         0.030         mg/K           Selenium         <0.61	g/Kg a g/Kg a g/Kg a g/Kg a	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1
Copper         33         0.61         0.054         mg/Kg           Iron         17000         12         5.0         mg/Kg           Lead         130         B         0.31         0.091         mg/Kg           Magnesium         30000         B         6.1         1.3         mg/Kg           Magnese         530         B         0.61         0.033         mg/Kg           Nickel         17         B         0.61         0.030         mg/Kg           Potassium         1300         B         31         1.8         mg/Kg           Selenium         -0.61         0.61         0.022         mg/Kg           Sodium         80         6         1         8.2         mg/Kg           Sodium         870         B         61         8.2         mg/Kg           Strontium         39         B         0.31         0.012         mg/Kg           Yanadium         0.42         J         0.61         0.26         mg/Kg           Zinc         110         B         1.2         0.25         mg/Kg           Method:         7470A - Mercury (CVAA) - TCLP         Analyte         Resuit         Qualifi	a/Kg o a/Kg o	10/17/13 09:00 10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24 10/18/13 20:24	1
Iron         17000         12         5.0         mg/K           Lead         130         B         0.31         0.091         mg/K           Magnesium         30000         B         6.1         1.3         mg/K           Magnesium         30000         B         6.1         1.3         mg/K           Magnesium         30000         B         6.1         1.3         mg/K           Nickel         17         B         0.61         0.060         mg/K           Potassium         1300         B         31         1.8         mg/K           Selenium         <0.61	a/Kg o	10/17/13 09:00 10/17/13 09:00	10/18/13 20:24 10/18/13 20:24	1
Lead         130         B         0.31         0.091         mg/K           Magnesium         30000         B         6.1         1.3         mg/K           Magnesium         30000         B         6.1         1.3         mg/K           Magnese         530         B         0.61         0.033         mg/K           Nickel         17         B         0.61         0.060         mg/K           Potassium         1300         B         31         1.8         mg/K           Selenium         -0.61         0.61         0.22         mg/K           Sodium         870         B         61         0.22         mg/K           Sodium         870         B         61         0.22         mg/K           Strontium         0.42         J         0.61         0.22         mg/K           Vanadium         0.42         J         0.61         0.26         mg/K           Zinc         110         B         0.31         0.045         mg/K           Method: 7470A - Mercury (CVAA) - TCLP         Analyte         Result         Qualifier         RL         MDL         Unit           Method: 7470A - Mercury (CV	g/Kg a	10/17/13 09:00	10/18/13 20:24	
Magnesium         30000         B         6.1         1.3         mg/Ky           Manganese         530         B         0.61         0.033         mg/Ky           Nickel         17         B         0.61         0.060         mg/Ky           Potassium         1300         B         31         1.8         mg/Ky           Selenium         -0.61         0.61         0.22         mg/Ky           Soldium         6.03         J         0.31         0.022         mg/Ky           Soldium         870         B         61         8.2         mg/Ky           Strontium         39         B         0.31         0.022         mg/Ky           Vanadium         0.42         J         0.61         0.26         mg/Ky           Zinc         110         B         0.31         0.045         mg/Ky           Vanadium         17         B         0.31         0.045         mg/Ky           Zinc         110         B         1.2         0.25         mg/Ky           Method: 7470A - Mercury (CVAA) - TCLP         Analyte         Result         Qualifier         RL         MDL         Unit           Method: 7470	ang			1
Manganese         530         B         0.61         0.033         mg/Kg           Nickel         17         B         0.61         0.060         mg/Kg           Potassium         1300         B         31         1.8         mg/Kg           Selenium         -0.61         0.61         0.22         mg/Kg           Soldium         -0.61         0.61         0.22         mg/Kg           Soldium         -0.038         J         0.31         0.022         mg/Kg           Soldium         870         B         61         8.2         mg/Kg           Strontium         39         B ^         0.31         0.012         mg/Kg           Vanadium         0.42         J         0.61         0.26         mg/Kg           Vanadium         0.42         J         0.61         0.26         mg/Kg           Vanadium         17         B         0.31         0.45         mg/Kg           Vanadium         17         B         0.31         0.45         mg/Kg           Method: 7470A - Mercury (CVAA) - TCLP         Analyte         Result         Qualifier         RL         MDL         Unit           Method: 7470A - Merc		10/17/13 09:00		
Nickel         17         B         0.61         0.060         mg/K           Potassium         1300         B         31         1.8         mg/K           Selenium         <0.61	arread.		10/18/13 20:24	1
Potassium         1300         B         31         1.8         mg/k,           Selenium         <0.61		10/17/13 09:00	10/18/13 20:24	1
Selenium         -0.61         0.61         0.22         mg/Kl           Silver         0.038         J         0.31         0.022         mg/Kl           Sodium         870         B         61         8.2         mg/Kl           Strontium         39         B         0.31         0.012         mg/Kl           Thallium         0.42         J         0.61         0.26         mg/Kl           Vanadium         17         B         0.31         0.045         mg/Kl           Zinc         110         B         1.2         0.25         mg/Kl           Method:         7470A - Mercury (CVAA) - TCLP         Analyte         Result         Qualifier         RL         MDL         Unit           Method:         7470A - Mercury (CVAA) - SPLP East         Analyte         Result         Qualifier         RL         MDL         Unit	pricy	10/17/13 09:00	10/18/13 20:24	1
Silver         0.038         J         0.31         0.022         mg/K           Sodium         870         B         61         8.2         mg/K           Strontium         39         B         0.31         0.012         mg/K           Thatlium         0.42         J         0.61         0.26         mg/K           Vanadium         17         B         0.31         0.045         mg/K           Zinc         110         B         1.2         0.25         mg/K           Method:         7470A - Mercury (CVAA) - TCLP         Analyte         Result         Qualifier         RL         MDL         Unit           Mercury         0.020         J         0.20         0.020         ug/L         0.020         ug/L           Method:         7470A - Mercury (CVAA) - SPLP East         Result         Qualifier         RL         MDL         Unit		10/17/13 09:00	10/18/13 20:24	1
Sodium         870         B         61         B.2         mg/K,           Strontium         39         B ^         0.31         0.012         mg/K,           Thallium         0.42         J         0.61         0.26         mg/K,           Vanadium         17         B         0.31         0.045         mg/K,           Zinc         110         B         1.2         0.25         mg/K,           Method:         7470A - Mercury (CVAA) - TCLP         Analyte         Result         Qualifier         RL         MDL         Unit           Mercury         0.020         J         0.20         0.020         ug/L         0.020         ug/L           Method:         7470A - Mercury (CVAA) - SPLP East         Result         Qualifier         RL         MDL         Unit		10/17/13 09:00	10/18/13 20:24 10/18/13 20:24	1
Strontium         39         B ^         0.31         0.012         mg/K           Thallium         0.42         J         0.61         0.26         mg/K           Vanadium         17         B         0.31         0.045         mg/K           Zinc         110         B         1.2         0.25         mg/K           Method:         7470A - Mercury (CVAA) - TCLP         Analyte         Result         Qualifier         RL         MDL         Unit           Mercury         0.020         J         0.20         0.020         ug/L           Method:         7470A - Mercury (CVAA) - SPLP East         Result         Qualifier         RL         MDL         Unit           Matyte         Result         Qualifier         RL         MDL         Unit		10/17/13 09:00	10/18/13 20:24	
Thallium         0.42         J         0.61         0.26         mg/K           Vanadium         17         B         0.31         0.045         mg/K           Zinc         110         B         1.2         0.25         mg/K           Method:         7470A - Mercury (CVAA) - TCLP         Result         Qualifier         RL         MDL         Unit           Mercury         0.020         J         0.20         0.020         ug/L           Method:         7470A - Mercury (CVAA) - SPLP East         Result         Qualifier         RL         MDL         Unit           Matyle         Result         Qualifier         RL         MDL         Unit         Unit	prig	10/17/13 09:00	10/18/13 20:24	1
Vanadium         17         B         0.31         0.045         mg/Ky           Zinc         110         B         1.2         0.25         mg/Ky           Method:         7470A - Mercury (CVAA) - TCLP         Result         Qualifier         RL         MDL         Unit           Method:         7470A - Mercury (CVAA) - SPLP         0.020         J         0.20         0.020         ug/L           Method:         7470A - Mercury (CVAA) - SPLP         East         Analyte         Result         Qualifier         RL         MDL         Unit		10/17/13 09:00	10/18/13 20:24	1
Zinc 110 B 1.2 0.25 mg/K Method: 7470A - Mercury (CVAA) - TCLP Analyte Result Qualifier RL MDL Unit Mercury 0.020 J 0.20 0.020 ug/L Method: 7470A - Mercury (CVAA) - SPLP East Analyte Result Qualifier RL MDL Unit	5/13	10/17/13 09:00	10/18/13 20:24	-
Method: 7470A - Mercury (CVAA) - TCLP Analyte Result Qualifier RL MDL Unit Mercury 0,020 J 0.20 0.020 ug/L Method: 7470A - Mercury (CVAA) - SPLP East Analyte Result Qualifier RL MDL Unit		10/17/13 09:00	10/18/13 20:24	1
Analyte     Result     Qualifier     RL     MDL     Unit       Mercury     0,020     J     0.20     0.020     ug/L       Method: 7470A - Mercury (CVAA) - SPLP East Analyte     Result     Qualifier     RL     MDL     Unit	1 S S	10/1/10 08:00	10/10/13 20:24	4
Analyte     Result     Qualifier     RL     MDL     Unit       Mercury     0,020     J     0.20     0.020     ug/L       Method: 7470A - Mercury (CVAA) - SPLP East Analyte     Result     Qualifier     RL     MDL     Unit				
Method: 7470A - Mercury (CVAA) - SPLP East Analyte Result Qualifier RL MDL Unit	it D	Prepared	Analyzed	Dil Fac
Analyte Result Qualifier RL MDL Unit	/L	10/23/13 15:00	10/24/13 10:39	1
Analyte Result Qualifier RL MDL Unit				
Mercury 0.19 J 0.20 0.020 ug/L	nit D	Prepared	Analyzed	Dil Fac
	/L	10/23/13 15:00	10/24/13 11:40	1
Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	2)			
Analyte Result Qualifier RL MDL Unit		Prepared	Analyzed	Dil Fac
Mercury 66 21 9.7 ug/Kg	/Ka a	10/17/13 15:15	10/18/13 12:50	1
General Chemistry				
Analyte Result Qualifier RL MDL Unit		Prepared	Analyzed	Dil Fac

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	Definitions/Glossary
	n Solutions, Inc. TestAmerica Job ID: 500-64902-1 DOT - New Avenue - 021
Qualifiers	
0.0000000	
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.
A	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related OC exceeds the control limits.
3	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.
0	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
GNE	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 Umit
MDG	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin) Not Calculated
ND	Not Calculated 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)
100-0	understand manus as configured route fragmentation 1

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Relative Percent Difference, a measure of the relative difference between two points.

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Ouotient (Dioxin)

RPD. TEF

TEO

TestAmerica Job ID: 500-64902-1

13

Cal	tifiar	tion	Summ	
Cel	TUIICa	шоп	Summ	arv

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

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
lowa	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-1L035	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	BTMS-Q	04-30-14

TestAmerica Chicago

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THE	LEADER IN ENVIRONMENT 2417 Bond Street, University Park, Phone: 708.534,5200 Fax: 708	16	Add Add Pho	1		Ils, J	2L 60		Address: Address: Phone: Fax: PO#/Refere	SAN				Chain of Custody Number: Page <u>1</u> of <u>4</u> Temperature "Cof Cooler; <u>4.4</u>		4.4	
Le	Neston ITDOT-O cation/Slate ockport, IL	Lab Project#			Preserv Param		, Y	Ŝ	sla	PLP Rals						1, HC 2, H2 3, HN 4, Na 5, Na 6, Na	Preservative Key L, Cool to 4° SO4, Cool to 4° O3, Cool to 4° OH, Cool to 4° OH/Zn, Cool to 4° HSO4 Jt CA°
plet Cover	Dan Cukierski Bample ID	Lab PM	Date	npiling Time	# of Containers	Matrix	VOC	SUOS	TCL	TCLP/SAP	Ha					8, No 9, Ott	ne
	TG-4 (05-15)-	101415	10/14/1	080		-	$\times$	+	$\succ$	×	×						
	TG-4 (0.5-1.5)-1	O GIVID	W/M/D	050	2	5	×	$\times$	×	$\times$	$\times$			1.			
	T6-5 (05-1.5)-	101413	10/14/13	0830	a	5	5	4	×	×	×		11 - D				
	TG-6 (0.5-1.5)	101413	10/14/12	0830	9	5	>	×	×	×	$\times$		L				
	MT-165-1.5	1-1014B	10/14/15	0845	2	5	×	×	×	×	>		1.1				
	MT-2 (0.5-15) -	01413	10/14/15	0905	2	5	×	X	×	X	X				1.1		
	PC-1 (0,5-1.5)-	101413	10/14/12	0920	2	5	×	$\times$	×	X	X	1		1.001			
	PC-2 (0.5-1.		10/14/15	0930	2	5	×	×	×	1	×	1					
	PV-1 (0.5-1.5	5)-101413	10/14/13	0945	2	5.	×	×	×	×	×						
1	WL28-16-4)	-101413	10/19/13	1010	2	5-	×	×	X	X	X						
1 Da	ad Due Date ad By DICh Company DICh Wes	sten (	15 Days 5	other Other	Sample	Return to			posal by Lab	Arch	ive for	Months	(A fee may b	Time	mples are retained	longer than 1 r Courier	norith) TA
-	XELO 7	A I	0/14/1	3 /	655		received RY	18	Bt	VA	_		13	0600	a 11	Shipped	
iquishe	ed By Comfany		Date		Time	F	Received By	0		Company		Date		Time	Hand D	elivered	
Wate Soi - Slud	L-Leachale	Client Com	ments								Lab Comments	l.					

THE LEADER IN ENVIRONMENT 2417 Bond Street, University Park, Phone: 708.534.5200 Fac: 708	AL TESTING	Com Addr Addr	pany: <u>W</u> 888: <u>750</u> 865: <u>Vern</u> 8: <u>847</u>	(options Babys eston & Bunk was Hills - 918-0	er Ct. S	Ste. 500	Bill To Contact: Company: Address: Address: Phone: Fax: PO#/Refere	SAN	(optional)			Chain of Custody Record Lab Job #: 500 ~ 649 02 Chief of Custody Number: Pageor Temperature °C of Cooler:		
Weston	Client Project #			Preservative		1.01	1							Preservative Key
ject Name IDOT - OB	21			Parameter			-				-		23	H2SO4, Cool to 4º HNO3, Cool to 4º
ect Location/State	Lab Project #		-		10	x	1-	1.1					6	NaOH, Cool to 4º NaOH/Zn, Cool to 4º
webport;IL	Lab PM			-	Ű	N	tals	als als					7	NaHSO4 Cool to 4ª None
Lan Cuklerski	1	-	_	10	Ó	3	Metals	Metals	T					, None , Other
Sample ID		Sam		# of Containers Matrix	>	SUDCS	2-	TCLE/SRUP	0					
Sample ID WL28-1(0-4)	-lowo D	Date	Time		~	1	~	~	×		-		-	Comments
WL28-2105		/14/13	1035	25	5	X	X	->	X					
WL28-3 (0-3	1-101113 6	J/M/B	1110	200	5	Z	X	2	Y					
WL28-410-2			1135	25	X	X	×	X	×			-		
5 WL28-5 (05-1.		14/13	1150	25	X	×	×	X	X	-				
e VL31-2(05-15	- 101413 10	14/13	1210	20	5	X	X	×	X		-			
1 VL31-1(0.5-1.	5-101413 14	VIVIS	1220	25	~	×	×	X	×		1			
3 WP-1 (0.5-15	and the second second second		1235	22	5	×	×	X	X		-			
1 WP-2(0.5-1.5			1245	25	X	X	×	X	X	-				
0 W133-2005	-1.5)- 01413 10	114/10	1305	25	×	X	V	X	×					
naround Tima Required (Besiness Days) 1 Day 2 Days 5 Days 7 D uested Due Date midded fly 22 2		ays <u>5</u> 7	Other	Sample Dispo	sal to Client Received By	Disp	iosal by Lab	Arch	ive for	_ Months	(A fee may		is are retained longer that	n 1 month)
Pillen Wes	ten 10/14			554	ye.	4	0	TA	-	10/14	B	1554	Lab Courier	TA
Alexa "7	A 101	14/1	3	655	Received By-	YX	(t	ALL without			5/13	0600	Shipped	
aquished By Company	Date		- /	Timo	Received By	0	(	Company		Date		Time	Hand Delivered	
Matrix Key         SE - Sediment.           Water         SD - Soil           Soil         L - Leachato           - Sludge         WI - Wipo           - Miscultaneous         DW - Drinking W           - Oil         O - Other	Client Comments								Lab Comments				1 1	
- Aur	1					Page 16								10/27/2013



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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 III. 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 III. 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

11 532-2922

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

City: Lockport	1.000	State	: <u>IL</u>	Zip Code:		
County: Will				Township:		
Lat/Long of app	roximate center	of site in de	cimal degrees (DI			., 40.67890, -90.12345):
Latitude: 41	.654215919	Longitude:	-88.046965385			
(D	ecimal Degrees)		(-Decimal Degi	ees)		
Identify how t	he lat/long data	were determ	nined:			
GPS	Man Internol	ation D	Photo Interpolatic	n Survey	C Other	
63			r noto interpolatio			
			r noto micipolatic			
	per(s), if assigne		DL:			BOA:
IEPA Site Numt	per(s), if assigne	d: BC	DL:			BOA:
IEPA Site Numt	per(s), if assigne	d: BC				
IEPA Site Numt	per(s), if assigne perator Inform Site Ow	d: BC	DL: r Source Site	BOW:		ite Operator
IEPA Site Numt II. Owner/Op Name:	per(s), if assigne perator Inform Site Ow Illinois Departm	d: BC mation for vner nent of Trans	DL: r Source Site	BOW:	S Illinois Departm	Site Operator nent of Transportation
IEPA Site Numt	per(s), if assigne perator Inform Site Ow	d: BC mation for vner nent of Trans	DL: r Source Site	BOW:		Site Operator nent of Transportation
IEPA Site Numt II. Owner/Op Name:	per(s), if assigne perator Inform Site Ow Illinois Departm	d: BC mation for vner nent of Trans	DL: r Source Site	BOW:	S Illinois Departm	Site Operator nent of Transportation
IEPA Site Numt II. Owner/Op Name: Street Address:	per(s), if assigne perator Inform Site Ow Illinois Departm	d: BC mation for vner nent of Trans	DL: r Source Site	BOW: Name: Street Address;	S Illinois Departm	Site Operator nent of Transportation
IEPA Site Numt II. Owner/Op Name: Street Address: PO Box:	per(s), if assigne perator Inform Site Ow Illinois Departm 201 West Cent	d: BC mation for vner hent of Trans er Court	DL:	BOW: Name: Street Address: PO Box:	S Illinois Departm 201 West Cent	Site Operator nent of Transportation er Court 

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 III. 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 III. 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 III. 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

In 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 III. 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 Pr	arkway
City:	Springfield	State: IL Zip Code: 62764
Phone:	217-785-4246	WWW GOBE
Steven Gobelman, P.	E., L.P.G	
Printed_A	lame:	196-000598
740	X	
Licensed Professi Licensed Professi	onal Engineer or onal Geologist Signature:	Date: GEOLOGIST

#### 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	
Sample Date	10/15/2013	10/15/2013	10/15/2013	10/15/2013	Soil Reference
Location ID	TF-7	TF-8	TF-9	TF-12	Concentrations
Depth	0-0.5	0-0.3	0 - 0.3	0 - 0.3	Concentrations
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)	1 I I I I I I I I I I I I I I I I I I I				
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
Banum, 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)	00 0	00.0	01.0	110 0	0100
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	0.0024 J	ND	1
Copper, TCLP	ND	0.012 J	ND	ND	0.65
Lead, TCLP	ND	ND	ND	0.029	0.0075
Manganese, TCLP	17	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)	0.04 0	0.44 D	0.22 0	V-14	
Arsenic, SPLP	ND	ND	ND	0.015 J	0.05
Banum, SPLP	0.021 J	0.032 J	0.044 J	0.22 J	2
Chromium, SPLP	ND	0.032 J 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	0.22	0.0075
	ND	ND	0.054 ND	0.000084 J	0.002
Mercury, SPLP	ND	ND	ND		0.002
Nickel, SPLP				0.032	
Zinc, SPLP	0.02 J	0.026 J	0.084 J	0.27	5

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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

Notes:

- not applicable or value not available.

- *- Soll 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

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

For:

LINKS

Review your project results through

Have a Question?

www.testamericainc.com

Visit us at:

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

Attn: Mr. S. Babusukumar

Rillh

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.

Added 1/8/14

**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	Lab Sample ID: 500-64983-17
Date Collected: 10/15/13 11:55	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 98.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.1		5.1	2.2	ug/Kg	0		10/22/13 16:36	1
Senzene	<5.1		5.1	0.69	ug/Kg	ġ.		10/22/13 16:36	1
Bromodichloromethane	<5.1		5.1	0.97	ug/Kg	D		10/22/13 16:36	1
Bromoform	<5.1		5.1	1.2	ug/Kg	0		10/22/13 16:36	1
Bromomethane	<5.1		5.1	1.5	ug/Kg	0		10/22/13 16:36	1
Sarbon disulfide	<5.1		5.1	0.76	ug/Kg	ġ.		10/22/13 16:36	1
Carbon tetrachloride	<5.1		5.1	0.92	ug/Kg	0.		10/22/13 16:36	1
Chlorobenzene	<5.1		5.1	0.51	ug/Kg	0.		10/22/13 16:36	1
Chloroethane	<5.1		5.1	1.4	ug/Kg	0		10/22/13 16:36	1
Chloroform	<5.1		5.1	0.58	ug/Kg	9		10/22/13 16:36	1
Chloromethane	<5.1		5.1	1.1	ug/Kg	0		10/22/13 16:36	1
tis-1,2-Dichloroethene	<5.1		5.1	0.71	ug/Kg	0		10/22/13 16:36	1
is-1,3-Dichloropropene	<5.1		5.1	0.66	ug/Kg	05		10/22/13 16:36	t
Dibromochloromethane	<5.1		5.1	0.88	ug/Kg	0		10/22/13 16:36	4
,1-Dichloroethane	<5.1		5.1	0.80	ug/Kg	0		10/22/13 16:36	1
2-Dichloroethane	<5.1		5.1	0.75	ug/Kg	0-		10/22/13 16:36	1
1-Dichloroethene	<5.1		5.1	0.82	ug/Kg	0.		10/22/13 16:36	1
.2-Dichloropropane	<5.1		5.1	0.77	ug/Kg	9		10/22/13 16:36	
,3-Dichloropropene, Total	<5.1		5.1	0.66	ug/Kg	ó		10/22/13 16:36	1
Ethylbenzene	<5.1		5.1	1.0	ug/Kg	0.		10/22/13 16:36	1
Hexanone	<5.1		5.1	1.5	ug/Kg	0-		10/22/13 16:36	1
Nethylene Chloride	<5.1		5.1	1.4	ug/Kg	0		10/22/13 16:36	4
Aethyl Ethyl Ketone	<5.t		5.1	1.8	ug/Kg	0		10/22/13 16:36	1
nethyl isobutyl ketone	<5.1		5.1	1.3	ug/Kg	0		10/22/13 16:36	1
Nethyl tert-butyl ether	<5.1		5.1	0.84	ug/Kg	ó		10/22/13 16:36	3
styrene	<5.1		5.1	0.66	ug/Kg	0		10/22/13 16:36	1
1,2,2-Tetrachloroethane	<5.1		5.1	1.0	ug/Kg	D		10/22/13 16:36	1
etrachloroethene	<5.1		5,1	0.77	ug/Kg	Ċ.		10/22/13 16:36	1
foluene	<5.1		5.1	0.71	ug/Kg	O-		10/22/13 16:36	
rans-1,2-Dichloroethene	<5,1		5.1	0.70	ug/Kg	0		10/22/13 16:36	1
rans-1,3-Dichloropropene	<5.1		5,1	0.91	ug/Kg	o.		10/22/13 16:36	
1,1,1-Trichloroethane	<5.1		5.1	0.76	ug/Kg	o.		10/22/13 16:36	1.1
1,2-Trichloroethane	<5.1		5.1	0.69	ug/Kg	p.		10/22/13 16:36	1
frichloroethene	<5.1		5.1	0.83				10/22/13 16:36	1
/inyl chloride	<5.1		5.1		ug/Kg	ō.		10/22/13 16:36	i i
Kylenes, Total	<10		10		ug/Kg	ø		10/22/13 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
I-Bromofluorobenzene (Surr)	112		70 - 122					10/22/13 16:36	7
Dibromofluoromethane	107		75 - 120					10/22/13 16:36	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									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
,2,4-Trichlorobenzene	<830		830	190	ug/Kg	Ø	10/21/13 07:32	10/29/13 11:37	5
,2-Dichlorobenzene	<830		830	180	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
,3-Dichlorobenzene	<830		830	170	ug/Kg	0-	10/21/13 07:32	10/29/13 11:37	5
4-Dichlorobenzene	<830		830	170	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
2-oxybis[1-chloropropane]	<830		830	180	ug/Kg	ō	10/21/13 07:32	10/29/13 11:37	5

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10/30/2013

Alt	A		Sec. Contract	1 -
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Client: Weston Solutions, Inc. Project/Site: IDOT - New Avenue - 021

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

TestAmerica Job ID: 500-64983-1

Vethod: 8270D - Semivolatile O Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<1600		1600	470	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
4,6-Trichlorophenol	<1600		1600	210	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
4-Dichlorophenol	<1600		1600	500	ug/Kg	P	10/21/13 07:32	10/29/13 11:37	5
4-Dimethylphenol	<1600		1600	520	ug/Kg	Q.	10/21/13 07:32	10/29/13 11:37	5
4-Dinitrophenol	<3300		3300	840	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
4-Dinitrotoluene	<830		830	250	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
5-Dinitratoluene	<830		830	200	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
-Chloronaphthalene	<830		830	190	ug/Kg	th.	10/21/13 07:32	10/29/13 11:37	5
Chlorophenol	<830		830	240	ug/Kg	0-	10/21/13 07:32	10/29/13 11:37	5
Methylnaphthalene	<830		830	210	ug/Kg	0-	10/21/13 07:32	10/29/13 11:37	5
Methylphenol	<830		830	220	ug/Kg	0-	10/21/13 07:32	10/29/13 11:37	5
Nitroaniline	<830		830	300	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
Nitrophenol	<1600	(Au	1600	260	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
& 4 Methylphenol	<830		830	310	ug/Kg	Ø.	10/21/13 07:32	10/29/13 11:37	5
3'-Dichlorobenzidine	<830		830	140	ug/Kg	D	10/21/13 07:32	10/29/13 11:37	5
Nitroaniline	<1600		1600	320	ug/Kg	¢.	10/21/13 07:32	10/29/13 11:37	5
6-Dinitro-2-methylphenol	<1600		1600	400	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
Bromophenyl phenyl ether	<830		830	180	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
-Chloro-3-methylphenol	<1600		1600	790	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
Chloroaniline	<3300		3300	500	ug/Kg	9	10/21/13 07:32	10/29/13 11:37	5
Chlorophenyl phenyl ether	<830		830	260	ug/Kg	o,	10/21/13 07:32	10/29/13 11:37	5
Nitroaniline	<1600		1600	340	ug/Kg	ō	10/21/13 07:32	10/29/13 11:37	5
Nitrophenol	<3300		3300	890	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
cenaphthene	<160		160	49	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
cenaphthylene	<160		160	38	ug/Kg	O.	10/21/13 07:32	10/29/13 11:37	5
nthracene	<160		160	39	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
enzo[a]anthracene	110	3	160	34	ug/Kg	a	10/21/13 07:32	10/29/13 11:37	5
lenzo[a]pyrene	130	J	160	30	ug/Kg	Ö.	10/21/13 07:32	10/29/13 11:37	5
lenzo[b]fluoranthene	150	J	160	32	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
lenzo[g,h,i]perylene	160		160	55	ug/Kg	C	10/21/13 07:32	10/29/13 11:37	5
enzo[k]fluoranthene	53	J	160	39	ug/Kg	ö.	10/21/13 07:32	10/29/13 11:37	5
lis(2-chloroethoxy)methane	<830		830	180	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
lis(2-chloroethyl)ether	<830		830	240	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
lis(2-ethylhexyl) phthalate	<830		830	220	ug/Kg	či.	10/21/13 07:32	10/29/13 11:37	5
lutyi benzyi phthalate	<830		830	210	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
arbazole	<830		830	230	ug/Kg	Q.	10/21/13 07:32	10/29/13 11:37	5
hrysene	190		160	37		Ö.	10/21/13 07:32	10/29/13 11:37	5
ibenz(a,h)anthracene	56	J	160	46	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
Dibenzofuran	<830		830	200	ug/Kg	o.	10/21/13 07:32	10/29/13 11:37	5
Diethyl phthalate	<830		830	270	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
imethyl phthalate	<830		830	210	ug/Kg	Q-	10/21/13 07:32	10/29/13 11:37	5
i-n-butyl phthalate	<830		830	210	ug/Kg	0.	10/21/13 07:32	10/29/13 11:37	5
i-n-octyl phthalate	<830		830	330	ug/Kg	ò.	10/21/13 07:32	10/29/13 11:37	5
luoranthene	94	J	160	67	ug/Kg	0-	10/21/13 07:32	10/29/13 11:37	5
luorene	<160	1	160	37	ug/Kg	0.	10/21/13 07:32	10/29/13 11:37	5
lexachlorobenzene	<330		330	32	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
lexachlorobutadiene	<830		830	220	ug/Kg	o	10/21/13 07:32	10/29/13 11:37	5
lexachlorocyclopentadiene	<3300		3300	760	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
lexachlorocyclopentadiene lexachloroethane	<8300		830		ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5

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10/30/2013

lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenu	ue - 021						TestAmeri	ca Job ID: 500-	64983-1
lient Sample ID: TF-7(0-	0.5)-101513						Lab Samp	le ID: 500-64	983-17
ate Collected: 10/15/13 11:55								Matri	x: Solid
ate Received: 10/16/13 07:00								Percent Soli	ds: 98,9
Mathed 0270D Cambustell	Oranala Company	and ICCMM	1/Centinued)						
Method: 8270D - Semivolatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	67	J	160	55	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
Isophorone	<830		830	180	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
Naphthalene	<160		160	32	ug/Kg	Øł.	10/21/13 07:32	10/29/13 11:37	5
Nitrobenzene	<160		160	51	ug/Kg	0-	10/21/13 07:32	10/29/13 11:37	5
N-Nitrosodi-n-propylamine	<830		830	210	ug/Kg	Ċ.	10/21/13 07:32	10/29/13 11:37	5
N-Nitrosodiphenylamine	<830		830	220	ug/Kg	0	10/21/13 07:32	10/29/13 11:37	5
Pentachlorophenol	<3300		3300	840	ug/Kg	0	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	D.	10/21/13 07:32	10/29/13 11:37	5
Pyrene	180		160	59	ug/Kg	0	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 Analyte		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			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			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		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	- SPI P Fast								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010		- 2	10/27/13 14:30	10/28/13 19:33	t
Barium		J	0.50	0.010			10/27/13 14:30	10/28/13 19:33	1
Beryllium	<0.0040		0.0040	0.0040			10/27/13 14:30	10/28/13 19:33	1
Cadmium	<0.0050		0.0050	0.0020			10/27/13 14:30	10/28/13 19:33	1
Chromium	0.022	J	0.025	0.010			10/27/13 14:30	10/28/13 19:33	1
Cobalt	<0,025		0.025	0.0050			10/27/13 14:30	10/28/13 19:33	1
	0,026		0.025	0.010			10/27/13 14:30	10/28/13 19:33	1
					mg/L		10/27/13 14:30	10/28/13 19:33	1
Copper			0.20						
Copper Iron	14		0.20	100 C 100 C			10/27/13 14:30		1
Copper Iron Lead	14 0.095		0.0075	0.0050	mg/L		10/27/13 14:30 10/27/13 14:30	10/28/13 19:33	1
Copper Iron Lead Manganese Nickel	14	J		100 C 100 C	mg/L mg/L		10/27/13 14:30 10/27/13 14:30 10/27/13 14:30		

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 021		Client	Sample F	<b>Results</b>			TestAmeri	ca Job ID: 500-(	54983-1
Client Sample ID: TF-7(0-0.5)-10 Pate Collected: 10/15/13 11:55 Pate Received: 10/16/13 07:00	1513						Lab Samp	le ID: 500-64 Matri	983-17 x: Solid
Method: 6010B - Metals (ICP) - SPLP Analyte		tinued) 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	0	10/17/13 16:00	10/23/13 03:49	1
Antimony	<4.6		4.6	1.9	mg/Kg	Ģ	10/17/13 18:00	10/24/13 03:15	5
Arsenic	7.0		2.3		mg/Kg	0	10/17/13 16:00	10/24/13 03:15	5
Barium	25		2.3	0.25	mg/Kg	ō	10/17/13 16:00	10/24/13 03:15	5
Beryllium	0.31	J	0.92	0.081	mg/Kg	ø	10/17/13 16:00	10/24/13 03:15	5
Cadmium	0.79		0.46	0.059	mg/Kg	D	10/17/13 16:00	10/24/13 03:15	5
Calcium	130000	В	46	12	mg/Kg	Ø	10/17/13 16:00	10/24/13 03:15	5
Chromium	8.9		0.46	0.053	mg/Kg	0	10/17/13 16:00	10/23/13 03:49	1
Cobatt	4.1		1.2	0.082		α	10/17/13 16:00	10/24/13 03:15	5
Copper	19	в	2.3	0.20	mg/Kg	0-	10/17/13 16:00	10/24/13 03:15	5
Iron		в	46	19	mg/Kg	0	10/17/13 16:00	10/24/13 03:15	5
Lead	57		1.2	0.34	mg/Kg	Ċ.	10/17/13 16:00	10/24/13 03:15	5
Magnesium	78000	в	23	4.8	mg/Kg	ö	10/17/13 16:00	10/24/13 03:15	5
Manganese	470	в	2.3	0.13	mg/Kg	0	10/17/13 16:00	10/24/13 03:15	5
Nickel	11		2.3	0.23	mg/Kg	D:	10/17/13 16:00	10/24/13 03:15	5
Potassium	920		23	1.4		Ċ.	10/17/13 16:00	10/23/13 03:49	1
Selenium	<2,3		2.3	0.82	mg/Kg	œ	10/17/13 16:00	10/24/13 03:15	5
Silver	<1.2		1.2	0.083	mg/Kg	Ū.	10/17/13 16:00	10/24/13 03:15	5
Sodium	300		46	6.2	mg/Kg	ò	10/17/13 16:00	10/23/13 03:49	1
Strontium	34	B *	0.23	0.0093	mg/Kg	o	10/17/13 16:00	10/23/13 03:49	1
Thallium	<2.3		2.3	0.97	mg/Kg	OF-	10/17/13 16:00	10/24/13 03:15	5
Vanadium	15		1.2	0.17	mg/Kg	Ċ.	10/17/13 16:00	10/24/13 03:15	5
Zinc	97	в	4.6	0.93	mg/Kg	Q-	10/17/13 16:00	10/24/13 03:15	5
Method: 7470A - Mercury (CVAA) - T	CLP								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051	JB	0.20	0.020	ug/L		10/29/13 12:00	10/30/13 10:00	1
Method: 7470A - Mercury (CVAA) - S	PLP 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 (Man	ual Cold Vapo	or Technie	que)				
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Mercury	30		15	7.0	ug/Kg	<u>a</u>	10/18/13 15:00	10/21/13 12:38	1
General Chemistry									
General Chemistry Analyte	Desute	Qualifier	RL	MDL	Hait	D	Prepared	Analyzed	Dil Fac

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**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	Lab Sample ID: 500-64983-18
Date Collected: 10/15/13 12:05	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	0		10/22/13 17:00	1
Benzene	<5.5		5.5	0.75	ug/Kg	ġ		10/22/13 17:00	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	D		10/22/13 17:00	1
Bromoform	<5.5		5.5	1.3	ug/Kg	0		10/22/13 17:00	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	0		10/22/13 17:00	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	ġ.		10/22/13 17:00	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	0.		10/22/13 17:00	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	0.		10/22/13 17:00	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	0		10/22/13 17:00	1
Chloroform	<5.5		5.5	0.63	ug/Kg	9		10/22/13 17:00	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	0		10/22/13 17:00	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	0		10/22/13 17:00	1
cis-1,3-Dichloropropene	<5.5		5.5		ug/Kg	05		10/22/13 17:00	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	0		10/22/13 17:00	4
I, 1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	o		10/22/13 17:00	1
1.2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	0-		10/22/13 17:00	1
1.1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	0.		10/22/13 17:00	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	o.		10/22/13 17:00	
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	6		10/22/13 17:00	
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	0.		10/22/13 17:00	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	0		10/22/13 17:00	
Methylene Chloride	<5.5		5.5		ug/Kg	0.		10/22/13 17:00	1
Methylene Chloride Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	0		10/22/13 17:00	4
	<5.5		5.5			0		10/22/13 17:00	1
nethyl isobutyl ketone Methyl tert hubd ether			5.5	1.4	ug/Kg	6			
Methyl tert-butyl ether	<5.5			0.91	ug/Kg	0.		10/22/13 17:00	1
Styrene	<5.5		5.5	0.72	ug/Kg	0		10/22/13 17:00	1
1, 1, 2, 2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	Ū.		10/22/13 17:00	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg			10/22/13 17:00	
Toluene	<5.5		5.5	0.77		0		10/22/13 17:00	
rans-1,2-Dichloroethene	<5.5		5.5		ug/Kg	0		10/22/13 17:00	1
rans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	0		10/22/13 17:00	1
1,1,1-Trichloroethane	<5.5		5.5	0.82		0		10/22/13 17:00	. (
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	0		10/22/13 17:00	1
Trichloroethene	<5.6		5.5		ug/Kg	-		10/22/13 17:00	1
Vinyl chloride	<5.5		5.5		ug/Kg	Ō.		10/22/13 17:00	
Kylenes, Total	<11		11	0.50	ug/Kg	D.		10/22/13 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
I-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	÷.
Toluene-d8 (Surr)	104		75 - 122					10/22/13 17:00	Ť
- summer and featury	101								
Method: 8270D - Semivolatil	e Organic Compou	nds (GC/MS)	ð						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
,2,4-Trichlorobenzene	<1800		1800	400	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
,2-Dichlorobenzene	<1800		1800	390	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
,3-Dichlorobenzene	<1800		1800	370	ug/Kg	Q-	10/21/13 07:32	10/26/13 01:27	10
,4-Dichlorobenzene	<1800		1800	370	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
2,2'-oxybis[1-chloropropane]	<1800		1800	390	ug/Kg	ō	10/21/13 07:32	10/26/13 01:27	10

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**Client Sample Results** 

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

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

TestAmerica Job ID: 500-64983-1

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

vlethod: 8270D - Semivolatile O Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<3500	-	3500	1000	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
4,6-Trichlorophenol	<3500		3500	450	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
4-Dichlorophenol	<3500		3500	1100	ug/Kg	Ø-	10/21/13 07:32	10/26/13 01:27	10
4-Dimethylphenol	<3500		3500	1100	ug/Kg	0.	10/21/13 07:32	10/26/13 01:27	10
4-Dinitrophenol	<7200		7200	1800	ug/Kg	Ċ-	10/21/13 07:32	10/26/13 01:27	10
4-Dinitrotoluene	<1800		1800	550	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
6-Dinitratoluene	<1800		1800	420	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
-Chloronaphthalene	<1800		1800	400	ug/Kg	-	10/21/13 07:32	10/26/13 01:27	10
Chlorophenol	<1800		1800	510	ug/Kg	Ū-	10/21/13 07:32	10/26/13 01:27	10
-Methylnaphthalene	<1800		1800	460	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Methylphenol	<1800		1800	470	ug/Kg	p-	10/21/13 07:32	10/26/13 01:27	10
-Nitroaniline	<1800		1800	640	ug/Kg	Ö.	10/21/13 07:32	10/26/13 01:27	10
Nitrophenol	<3500	(Ar )	3500	560	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
& 4 Methylphenol	<1800		1800	670	ug/Kg	ø	10/21/13 07:32	10/26/13 01:27	10
3'-Dichlorobenzidine	<1800		1800	300	ug/Kg	D	10/21/13 07:32	10/26/13 01:27	10
Nitroaniline	<3500		3500	690	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
6-Dinitro-2-methylphenol	<3500		3500	860	ug/Kg	o,	10/21/13 07:32	10/26/13 01:27	10
Bromophenyl phenyl ether	<1800		1800	400	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
-Chloro-3-methylphenol	<3500		3500	1700	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Chloroaniline	<7200		7200	1100	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Chlorophenyl phenyl ether	<1800		1800	560	ug/Kg	o.	10/21/13 07:32	10/26/13 01:27	10
Nitroaniline	<3500		3500	730	ug/Kg	ō	10/21/13 07:32	10/26/13 01:27	10
Nitrophenol	<7200		7200	1900	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
cenaphthene	<350		350	110	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
cenaphthylene	<350		350	82	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
nthracene	<350		350	84	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
lenzo[a]anthracene	260	3	350	75	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
Benzo[a]pyrene	290	J	350	65	ug/Kg	Ô.	10/21/13 07:32	10/26/13 01:27	10
Benzo[b]fluoranthene	400		350	69	ug/Kg	o.	10/21/13 07:32	10/26/13 01:27	10
lenzo[g,h,i]perylene	370		350	120	ug/Kg	a	10/21/13 07:32	10/26/13 01:27	10
enzo[k]fluoranthene	150	J	350	85	ug/Kg	ö.	10/21/13 07:32	10/26/13 01:27	10
lis(2-chloroethoxy)methane	<1800	3	1800	390	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Bis(2-chloroethyl)ether	<1800		1800	530	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Bis(2-ethylhexyl) phthalate	<1800		1800	470	ug/Kg	8	10/21/13 07:32	10/26/13 01:27	10
Butyl benzyl phthalate	<1800		1800	470	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Carbazole	<1800		1800	500	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
	440		350	500	ug/Kg	O.	10/21/13 07:32	10/26/13 01:27	10
Chrysene					10.2 10.0	0-			
Dibenz(a,h)anthracene	100	J	350	100	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Dibenzofuran Nathul abthalata	<1800		1600	430	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Diethyl phthalate	<1800		1800	590	ug/Kg	Q-	10/21/13 07:32	10/26/13 01:27	10
imethyl phthalate	<1800		1800	450	ug/Kg	0×	10/21/13 07:32	10/26/13 01:27	10
0i-n-butyl phthalate	<1800		1800	450	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
i-n-octyl phthalate	<1800		1800	720	ug/Kg		10/21/13 07:32	10/26/13 01:27	10
luoranthene	350		350	150	ug/Kg	0-	10/21/13 07:32	10/26/13 01:27	10
luorene	<350		350	81	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
lexachlorobenzene	<720		720	70	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
lexachlorobutadiene	<1800		1800	470	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
lexachlorocyclopentadiene	<7200		7200	1700	ug/Kg	0-	10/21/13 07:32	10/26/13 01:27	10

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue	- 021			Results			TestAmeri	ca Job ID: 500-6	54983-1
lient Sample ID: TF-8(0-0.							Lab Samp	le ID: 500-64	983-18
ate Collected: 10/15/13 12:05							Contraction of the second	Matri	x: Solid
ate Received: 10/16/13 07:00								Percent Soli	ds: 91.0
		a hours	and the second sec						
Method: 8270D - Semivolatile C Analyte	Result	Qualifier	RL	MDL	And and a second second	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	210	7	350	120	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Isophorone	<1800		1800	400	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Naphthalene	<350		350	69	ug/Kg	Ø-	10/21/13 07:32	10/26/13 01:27	10
Nitrobenzene	<350		350	110	ug/Kg	Q.	10/21/13 07:32	10/26/13 01:27	10
N-Nitrosodi-n-propylamine	<1800		1800	450	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
N-Nitrosodiphenylamine	<1800		1800	480	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Pentachlorophenol	<7200		7200	1800	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Phenanthrene	180	7	350	150	ug/Kg	-	10/21/13 07:32	10/26/13 01:27	10
Phenol	<1800		1800	560	ug/Kg	0	10/21/13 07:32	10/26/13 01:27	10
Pyrene	400		350	130	ug/Kg	0	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) -		Qualifier		MDI	linit		Bronared	Applyged	Dil Fac
Method: 6010B - Metals (ICP) - Analyte	Result	Qualifier	RL	MDL	2000	D	Prepared	Analyzed	Dil Fac
Method: 6010B - Metals (ICP) - Analyte Arsenic	Result <0.050		0.050	0.010	mg/L	D	10/28/13 08:30	10/28/13 22:04	1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium	Result <0.050 0,30		0.050	0.010 0.010	mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04	1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium	Result <0.050 0.30 <0.0040	J	0.050 0.50 0.0040	0.010 0.010 0.0040	mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium	Result <0.050 0.30 <0.0040 0.0047	J	0.050 0.50 0.0040 0.0050	0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Cadmium	Result <0.050 0.30 <0.0040 0.0047 <0.025	1 1	0.050 0.50 0.0040 0.0050 0.025	0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1
Method: 6010B - Metals (ICP) - Anatyte Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result <0.050 0.30 <0.0040 0.0047 <0.025 0.016	1 1	0.050 0.50 0.0040 0.0050 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.010	mg/L mg/L mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1 1
Method: 6010B - Metals (ICP) - Anayte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper	Result <0.050 0.30 <0.0040 0.0047 <0.025 0.016 0.029	1 1	0.050 0.50 0.0040 0.0050 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L	<u> </u>	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron	Result <0.050 0.30 <0.0040 0.0047 <0.025 0.016	1 1	0.050 0.50 0.0040 0.0050 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<u>D</u>	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Codmium Cobalt Copper Iron Lead	Result <0.050 0.30 <0.0040 <0.0047 <0.025 0.016 0.029 0.35 0.034	1 1	0.050 0.50 0.0040 0.0050 0.025 0.025 0.025 0.20	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/28/15 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese	Result <0.050 0.30 <0.0040 <0.0047 <0.025 0.016 0.029 0.35	1 1	0.050 0.50 0.0040 0.0050 0.025 0.025 0.025 0.20 0.20 0.0075	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/28/15 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel	Result           <0.050	1 1	0.050 0.50 0.0040 0.025 0.025 0.025 0.225 0.20 0.0075 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<u> </u>	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium	Result           <0.050	7	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.25 0.20 0.025 0.025	0.010 0.010 0.0040 0.010 0.010 0.010 0.20 0.0050 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<u></u>	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc	Result           <0.050	7	0.050 0.50 0.0040 0.025 0.025 0.25 0.20 0.075 0.20 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Cadmium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc	Result           <0.050	7	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.075 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/28/15 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) -	Result           <0.050	1	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.075 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte	Result           <0.050	18 1 1	0.050 0.50 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.050 0.025 0.050	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.000 0.020 0.0050 0.010 0.010 0.010 0.0050 0.020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/28/15 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Cadmium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic	Result           <0.050	J J J B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.0075 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.0050 0.0050 0.010 0.010 0.0050 0.0050 0.0050 0.020 MDL 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Anayte Arsenic Barium Barium Cadmium Cadmium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic Barium	Result           <0.050	J J J B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.0075 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.10 <i>RL</i>	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/28/15 08:30 10/28/13 08:30	10/28/13 22:04 10/28/13 22:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium	Result           <0.050	J J J B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.225 0.225 0.225 0.20 0.0075 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.0040 0.0020 0.010 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	mg/L		10/28/13 08:30 10/28/13 08:30 10/27/13 14:30	10/28/13 22:04 10/28/13 19:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Anayte Arsenic Barium Beryllium Cadmium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium	Result           <0.050	J J J B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.20 0.075 0.20 0.075 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.050 0.50 0.	0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.020	mg/L		10/28/13 08:30 10/28/13 08:30 10/27/13 14:30	10/28/13 22:04 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Anatyte Arsenic Barium Beryllium Codmium Chromium Cobalt Copper fron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Anatyte Arsenic Barium Beryllium Cadmium Chromium	Result           <0.050	J J J B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050	0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.0050 0.020 MDL 0.010 0.010 0.010 0.010 0.010	mg/L		10/28/13 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:04 10/28/13 12:04 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Anayte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Barium Barium Cadmium Cadmium Cobalt	Result           <0.050	J J J B Qualifier	0.050 0.50 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.050 0.50 0.	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.010 0.010 0.010 0.0010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:04 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Barium Barium Chromium Cobalt Copper	Result           <0.050	J J J B Qualifier	0.050 0.50 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.050 0.050 0.50 0.	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0010 0.0010 0.0020 0.010	mg/L		10/28/15 08:30 10/28/15 08:30 10/28/13 08:30 10/27/13 18:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:04 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Anatyte Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron	Result           <0.050	J J J B Qualifier J	0.050 0.50 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.10 <b>RL</b> 0.050 0.050 0.050 0.050 0.0040 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.010 0.0050 0.010 0.0010 0.0040 0.0040 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/28/15 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:04 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Anayte Arsenic Barium Barium Cadmium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Barylium Cadmium Chromium Cobalt Copper Iron Lead	Result           <0.050	J J J B Qualifier J	0.050 0.50 0.025 0.025 0.025 0.025 0.20 0.075 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.10 <b>RL</b> 0.060 0.050 0.0040 0.0050 0.0025 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.0020 0.010 0.0050	mg/L		10/28/13 08:30 10/28/13 08:30 10/27/13 16:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:04 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - Analyte Arsenic Barium Barium Barium Chromium Cobalt Copper	Result           <0.050	J J J B Qualifier J	0.050 0.50 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.10 <b>RL</b> 0.050 0.050 0.050 0.050 0.0040 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.010 0.0050 0.010 0.0010 0.0040 0.0040 0.0020 0.010 0.0050 0.010	mg/L           mg/L		10/28/15 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:04 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39 10/28/13 19:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 021		Client	Sample F	Results			TestAmeri	ca Job ID: 500-6	64983-1		
Client Sample ID: TF-8(0-0.3)-1015 ate Collected: 10/15/13 12:05 ate Received: 10/16/13 07:00	13						Lab Sample ID: 500-64983-18 Matrix: Solid				
Method: 6010B - Metals (ICP) - SPLP Ea Analyte		tinued) 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	В	10	0.93	mg/Kg	0	10/17/13 16:00	10/23/13 03:56	1		
Antimony	<5.1		5.1	2.0	mg/Kg	Ģ	10/17/13 16:00	10/24/13 03:21	5		
Arsenic	5.4		2.5	0.50	mg/Kg	0	10/17/13 16:00	10/24/13 03:21	5		
Barium	59		2.5	0.27	mg/Kg	õ	10/17/13 16:00	10/24/13 03:21	5		
Beryllium	0.36	J	1.0	0.089	mg/Kg	ø	10/17/13 16:00	10/24/13 03:21	5		
Cadmium	1.2		0.51	0.064	mg/Kg	<b>D</b> 3-	10/17/13 16:00	10/24/13 03:21	5		
Calcium	180000	В	51	14	mg/Kg	0	10/17/13 16:00	10/24/13 03:21	5		
Chromium	26		0.51	0.059	mg/Kg	0	10/17/13 16:00	10/23/13 03:56	1		
Cobalt	3.4		1.3	0.090	mg/Kg	a	10/17/13 16:00	10/24/13 03:21	5		
Copper	28	в	2.5	0.22	mg/Kg	0	10/17/13 16:00	10/24/13 03:21	5		
Iron	15000	в	51	21	mg/Kg	0	10/17/13 16:00	10/24/13 03:21	5		
Lead	78		1.3	0.38	mg/Kg	CF	10/17/13 16:00	10/24/13 03:21	5		
Magnesium	110000	в	25	5.2	mg/Kg	ö	10/17/13 16:00	10/24/13 03:21	5		
Manganese	600	в	2.5	0.14	mg/Kg	O.	10/17/13 16:00	10/24/13 03:21	5		
Nickel	12		0.51	0.050	mg/Kg	0	10/17/13 16:00	10/23/13 03:56	1		
Potassium	960		25	1.5	mg/Kg	G	10/17/13 16:00	10/23/13 03:56	1		
Selenium	<2.5		2.5	0.90	mg/Kg	Œ	10/17/13 16:00	10/24/13 03:21	5		
Silver	<1.3		1.3	0.092	mg/Kg	Ū.	10/17/13 16:00	10/24/13 03:21	5		
Sodium	1100		51	6.8	mg/Kg	ò.	10/17/13 16:00	10/23/13 03:56	1		
Strontium	63	B *	0.25	0.010	mg/Kg	0	10/17/13 16:00	10/23/13 03:56	1		
Thallium	<2.5		2.5	1.1	mg/Kg	OF.	10/17/13 16:00	10/24/13 03:21	5		
Vanadium	22		1.3	0.19	mg/Kg	ĊF.	10/17/13 16:00	10/24/13 03:21	5		
Zinc	320	в	5.1	1.0	mg/Kg	Q-	10/17/13 16:00	10/24/13 03:21	5		
Method: 7470A - Mercury (CVAA) - TCLI											
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Mercury	0.049	JB	0.20	0.020	ug/L		10/29/13 12:00	10/30/13 10:02	1		
Method: 7470A - Mercury (CVAA) - SPLI											
Analyte		Qualifier	RL	MDL		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 Se		and the second se				1.0		and the second	1.5		
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac		
Mercury	18		19	B.4	ug/Kg	<u>a</u>	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		

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**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	Lab Sample ID: 500-64983-19
Date Collected: 10/15/13 12:15	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 95.6

inalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cetone	<5.2		5,2	2,3	ug/Kg	0		10/22/13 17:23	1
enzene	<5.2		5.2	0.72	ug/Kg	ġ,		10/22/13 17:23	1
Iromodichloromethane	<5.2		5.2	0.90	ug/Kg	D		10/22/13 17:23	1
Iromoform	<5.2		5.2	1.2	ug/Kg	0		10/22/13 17:23	1
Iromomethane	<5.2		5.2	1.6	ug/Kg	0		10/22/13 17:23	1
arbon disulfide	<5.2		5.2	0.78	ug/Kg	ġ.		10/22/13 17:23	1
Carbon tetrachloride	<5.2		5.2	0.95	ug/Kg	0.		10/22/13 17:23	1
hlorobenzene	<5.2		5.2	0.53	ug/Kg	0.		10/22/13 17:23	1
chloroethane	<5.2		5.2	1.4	ug/Kg	0		10/22/13 17:23	1
chloroform	<5.2		5.2	0.60	ug/Kg	9		10/22/13 17:23	1
hloromethane	<5.2		5.2	1.1	ug/Kg	0		10/22/13 17:23	1
is-1,2-Dichloroethene	<5.2		5.2	0.74	ug/Kg	0		10/22/13 17:23	
is-1.3-Dichloropropene	<5.2		5.2	0.69	ug/Kg	05		10/22/13 17:23	1
libromochloromethane	<5.2		5.2	0.91	ug/Kg	0		10/22/13 17:23	4
1-Dichloroethane	<5.2		5.2	0.83	ug/Kg	ó		10/22/13 17:23	1
2-Dichloroethane	<5.2		5.2	0.78		0-		10/22/13 17:23	i
1-Dichloroethene	<5.2		5.2	0.85	ug/Kg	0.		10/22/13 17:23	1
.2-Dichloropropane	<5.2		5.2	0.79	ug/Kg	ò		10/22/13 17:23	
3-Dichloropropene, Total	<5.2		5.2	0.69	ug/Kg	ů.		10/22/13 17:23	
thylbenzene	<5.2		5.2	1.1	ug/Kg	0.		10/22/13 17:23	
Hexanone	<5.2		5.2	1.5				10/22/13 17:23	
	<5.2		5.2	1.4		6		10/22/13 17:23	1
lethylene Chloride lethyl Ethyl Ketone	<5.2		5.2	1.9		0		10/22/13 17:23	4
	<5.2		5.2			0		10/22/13 17:23	1
nethyl isobutyl ketone				1.4		6			4
lethyl tert-butyl ether	<5.2		5.2	0.86	ug/Kg	0.		10/22/13 17:23	1
tyrene			5.2	0.69	ug/Kg	D		10/22/13 17:23	1
1,2,2-Tetrachloroethane	<5.2		5.2	1.1	ug/Kg	o.		10/22/13 17:23	1
etrachloroethene	<5.2		5.2	0.80	ug/Kg			10/22/13 17:23	1
oluene	<5.2		5.2	0.73	ug/Kg	0		10/22/13 17:23	
ans-1,2-Dichloroethene	<5.2		5.2		ug/Kg	0		10/22/13 17:23	1
ans-1,3-Dichloropropene	<5.2		5.2	0.94	ug/Kg	0		10/22/13 17:23	
,1,1-Trichloroethane	<5.2		5.2	0.78	ug/Kg	°.		10/22/13 17:23	. (
1,2-Trichloroethane	<5.2		5.2	0.71	ug/Kg	0		10/22/13 17:23	1
richloroethene	<5.2		5.2	0.86	ug/Kg	-		10/22/13 17:23	1
/inyl chloride	<5.2		5.2	1.1	ug/Kg	Ō.		10/22/13 17:23	
lylenes, Total	<10		10	0.47	ug/Kg	D.		10/22/13 17:23	1
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	112		70 - 122					10/22/13 17:23	1
libromofluoromethane	108		75 - 120					10/22/13 17:23	1
,2-Dichloroethane-d4 (Surr)	112		70 - 134					10/22/13 17:23	
oluene-d8 (Surr)	107		75 - 122					10/22/13 17:23	Ť
availe as four)	107		15-122					10/22/10 11:20	,
Nethod: 8270D - Semivolatile									
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorobenzene	<1700	-	1700	380	ug/Kg	Ø	10/21/13 07:32	10/28/13 22:25	5
2-Dichlorobenzene	<1700		1700	370	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
3-Dichlorobenzene	<1700		1700	350	ug/Kg	0-	10/21/13 07:32	10/28/13 22:25	5
4-Dichlorobenzene	<1700		1700	350	ug/Kg	D	10/21/13 07:32	10/28/13 22:25	5
2'-oxybis[1-chloropropane]	<1700		1700	370	ug/Kg	ō	10/21/13 07:32	10/28/13 22:25	5

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**Client Sample Results** 

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

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

TestAmerica Job ID: 500-64983-1

ate Received: 10/16/13 07:00								Percent Soli	ds: 95.6
		1. 100.000							
Method: 8270D - Semivolatile O Analyte	rganic Compoun Result	A REAL PROPERTY AND A REAL PROPERTY AND A	(Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<3300		3300	960	ug/Kg	ō	10/21/13 07:32	10/28/13 22:25	5
4,6-Trichlorophenol	<3300		3300	420	ug/Kg	o.	10/21/13 07:32	10/28/13 22:25	5
4-Dichlorophenol	<3300		3300	1000	ug/Kg	P:	10/21/13 07:32	10/28/13 22:25	5
4-Dimethylphenol	<3300		3300	1000	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
2,4-Dinitrophenol	<6800		6800	1700	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
4-Dinitrotoluene	<1700		1700	510	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
6-Dinitratoluene	<1700		1700	400	ug/Kg	0	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
Chlorophenol	<1700		1700	480	ug/Kg	Ū-	10/21/13 07:32	10/28/13 22:25	5
Methylnaphthalene	<1700		1700	430	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
Methylphenol	<1700		1700	440	ug/Kg	p-	10/21/13 07:32	10/28/13 22:25	5
Nitroaniline	<1700		1700	600	ug/Kg	Ū.	10/21/13 07:32	10/28/13 22:25	5
Nitrophenol	<3300	as 1	3300	530	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
& 4 Methylphenol	<1700		1700	630	ug/Kg	o.	10/21/13 07:32	10/28/13 22:25	5
3'-Dichlorobenzidine	<1700		1700	280	ug/Kg	D	10/21/13 07:32	10/28/13 22:25	5
Nitroaniline	<3300		3300	650	ug/Kg	Q.	10/21/13 07:32	10/28/13 22:25	5
6-Dinitro-2-methylphenol	<3300		3300	810	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
Bromophenyl phenyl ether	<1700		1700	370	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
Chloro-3-methylphenol	<3300		3300	1600	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
Chloroaniline	<6800		6800	1000	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
Chlorophenyl phenyl ether	<1700		1700	530	ug/Kg	a	10/21/13 07:32	10/28/13 22:25	5
Nitroaniline	<3300		3300	690	ug/Kg	ō.	10/21/13 07:32	10/28/13 22:25	5
Nitrophenol	<6800		6800	1800	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
cenaphthene	<330		330	100	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	6
cenaphthylene	<330		330	77	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
nthracene	<330		330	79	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
enzo[a]anthracene	190	J	330	70	ug/Kg		10/21/13 07:32	10/28/13 22:25	5
enzo[a]pyrene		J	330	61	ug/Kg	Ö.	10/21/13 07:32	10/28/13 22:25	5
enzo[b]fluoranthene	290	J	330	65	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
enzo[g,h.i]perylene	<330		330	110	ug/Kg	σ	10/21/13 07:32	10/28/13 22:25	5
enzo[k]fluoranthene	120	J	330	80	ug/Kg	ġ.	10/21/13 07:32	10/28/13 22:25	5
is(2-chloroethoxy)methane	<1700		1700	370	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
is(2-chloroethyl)ether	<1700		1700	500	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
is(2-ethylhexyl) phthalate	<1700		1700	440	ug/Kg	ö.	10/21/13 07:32	10/28/13 22:25	5
utyl benzyl phthalate	<1700		1700	420	ug/Kg	ø	10/21/13 07:32	10/28/13 22:25	5
arbazole	<1700		1700	470	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
hrysene	330		330	76	ug/Kg	O.	10/21/13 07:32	10/28/13 22:25	5
ibenz(a,h)anthracene	<330		330	94	ug/Kg	0-	10/21/13 07:32	10/28/13 22:25	5
libenzofuran	<1700		1700	400	ug/Kg	ō.	10/21/13 07:32	10/28/13 22:25	5
iethyl phthalate	<1700		1700	560	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
imethyl phthalate	<1700		1700	420	ug/Kg	Q-	10/21/13 07:32	10/28/13 22:25	5
i-n-butyl phthalate	<1700		1700	420	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
i-n-octyl phthalate	<1700		1700	680	ug/Kg	ò.	10/21/13 07:32	10/28/13 22:25	5
luoranthene	410		330	140	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
luorene	<330		330	76	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
exachlorobenzene	<680		680	66	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
lexachlorobutadiene	<1700		1700	440	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
lexachlorocyclopentadiene	<6800		6800	1600	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
lexachloroethane	<1700		1700	360	ug/Kg	æ	10/21/13 07:32	10/28/13 22:25	5

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ient: Weston Solutions, Inc. oject/Site: IDOT - New Aveni	ue - 021		t Sample F				TestAmeri	ca Job ID: 500-6	64983-1
lient Sample ID: TF-9(0-	-0.3)-101513					-	Lab Samp	le ID: 500-64	983-19
ate Collected: 10/15/13 12:18	5								x: Solid
ate Received: 10/16/13 07:00	D							Percent Soli	ds: 95.6
Method: 8270D - Semivolatil Analyte		Qualifier	S) (Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ndeno[1,2,3-cd]pyrene	<330	waannea	330	110	ug/Kg	- 0	10/21/13 07:32	10/28/13 22:25	5
sophorone	<1700		1700	370	ug/Kg	ō.	10/21/13 07:32	10/28/13 22:25	5
Vaphthalene	<330		330	65	ug/Kg	0-	10/21/13 07:32	10/28/13 22:25	5
Vitrobenzene	<330		330	100	ug/Kg	p.	10/21/13 07:32	10/28/13 22:25	5
V-Nitrosodi-n-propylamine	<1700		1700	430	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
Nitrosodiphenylamine	<1700		1700	450	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
Pentachlorophenol	<6800		6800	1700	ug/Kg	0.	10/21/13 07:32	10/28/13 22:25	5
Phenanthrene	210	3	330	140	ug/Kg	¢.	10/21/13 07:32	10/28/13 22:25	5
Phenol	<1700	-	1700	530	ug/Kg	Ċ.	10/21/13 07:32	10/28/13 22:25	5
Pyrene	260	4	330	120	ug/Kg	0	10/21/13 07:32	10/28/13 22:25	5
Junio .	200	1		.20	- 10, 10				2
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									
Analyte	10.00	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	1. C		10/28/13 08:30	10/28/13 22:09	1
Barium	0.29	7	0.50	0.010			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	7	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
ron	0.23	J	0.20	0.20	mg/L		10/28/13 08:30	10/28/13 22:09	1
ron Lead	0.23 0.038	J	0.20 0.0075	0.20 0.0050	mg/L mg/L		10/28/13 08:30 10/28/13 08:30	10/28/13 22:09 10/28/13 22:09	1
ron Lead Vianganese	0.23 0.038 1.6	J	0.20 0.0075 0.025	0.20 0.0050 0.010	mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09	1
ron .ead Vanganese Nickel	0.23 0.038 1.6 0.032		0.20 0.0075 0.025 0.025	0.20 0.0050 0.010 0.010	mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09	1 1 1
ron Lead Vlanganese Vickel Selenium	0.23 0.038 1.6 0.032 0.011		0.20 0.0075 0.025 0.025 0.050	0.20 0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09	1
ron Lead Manganese Vickel Selenium Silver	0.23 0.038 1.6 0.032 0.011 <0.025		0.20 0.0075 0.025 0.025 0.050 0.050	0.20 0.0050 0.010 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09	1 1 1 1 1
ron Lead Vlanganese Vickel Selenium	0.23 0.038 1.6 0.032 0.011		0.20 0.0075 0.025 0.025 0.050	0.20 0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09	1
ron Lead Vianganese Vickel Selanium Silver Zinc	0.23 0.038 1.6 0.032 0.011 <0.025 0.46		0.20 0.0075 0.025 0.025 0.050 0.050	0.20 0.0050 0.010 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09	1 1 1 1 1
ron Lead Vlanganese Vickel Selenium Silver Zinc Method: 6010B - Metals (ICP	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 P) - SPLP East	JB	0.20 0.0075 0.025 0.025 0.050 0.025 0.10	0.20 0.0050 0.010 0.010 0.010 0.0050 0.020	mg/L mg/L mg/L mg/L mg/L mg/L	B	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09	1 1 1 1 1 1 1
ron .ead Manganese Nickel Selenium Silver Elinc Method: 6010B - Metals (ICP Analyte	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 P) - SPLP East Result		0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL	0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL	mg/L mg/L mg/L mg/L mg/L mg/L Unit	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 Prepared	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09	1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP Analyte Arsenic	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 P) - SPLP East <u>Result</u> <0.050	J B Qualifier	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050	0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL 0.010	mg/L mg/L mg/L mg/L mg/L mg/L Unit mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 <b>Prepared</b> 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 <b>Analyzed</b> 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Viethod: 6010B - Metals (ICP Analyte Arsenic Barium	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 P) - SPLP East Result <0.050 0.047	J B Qualifier	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50	0.20 0.0050 0.010 0.010 0.0050 0.0050 0.020 MDL 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L Unit mg/L mg/L	P	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 <b>Prepared</b> 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 <b>Analyzed</b> 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium Baryllium	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 2) - SPLP East Result <0.050 0.047 <0.0040	J B Qualifier	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040	0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040	mg/L mg/L mg/L mg/L mg/L Unit mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 <b>Prepared</b> 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 <b>Analyzed</b> 10/28/13 19:46 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Vlethod: 6010B - Metals (ICP Analyte Arsenic Barium Baryllium Sadmium	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 •) - SPLP East Result <0.050 0.047 <0.0040 <0.0050	J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050	0.20 0.0050 0.010 0.010 0.0050 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 <b>Prepared</b> 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 <b>Analyzed</b> 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1
rori Lead Manganese Mickel Selenium Silver Zinc Vlethod: 6010B - Metals (ICP Analyte Arsenic Sarium Seryillum Cadmium Cadmium	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 2) - SPLP East Result <0.050 0.047 <0.0040 <0.0050 0.013	J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.025	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	P	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 <b>Analyzed</b> 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1
ron .ead Manganese Mickel Selenium Silver Cinc Method: 6010B - Metals (ICP Analyte Arsenic Sarium Sarium Sarium Schomium Sobalt	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 2) - SPLP East <0.050 0.0.050 0.0040 <0.0050 0.0040 <0.0050 0.013 <0.025	J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.025 0.025	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	P	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1 1
rori .ead Manganese Gickel Selenium Silver Cinc Method: 6010B - Metals (ICP Analyte Arsenic Barium Saryllium Sadnium Chromium Cobalt Sopper	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 P) - SPLP East Result <0.050 0.047 <0.050 0.047 <0.050 0.047 <0.050 0.043 <0.025 <0.025	J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.0040 0.0050 0.025 0.025	0.20 0.0050 0.010 0.010 0.0050 0.0050 0.020 MDL 0.010 0.040 0.020 0.010 0.020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1 1 1
rori .ead Aanganese lickel lickel Silver Jinc Acthod: 6010B - Metals (ICP unalyte Sarium Levyllium Sadnium Schromium Sobalt Sopper	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 P) - SPLP East Result <0.050 0.047 <0.050 0.047 <0.0040 <0.050 0.013 <0.025 <0.025 <0.025	J B Qualifier J	0.20 0.0075 0.025 0.050 0.050 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	P	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Einc Method: 6010B - Metals (ICP Analyte Ansenic Sarium Saryllum Cadmium Cadmium Chromium Cobalt Copper ron	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 2) - SPLP East Result <0.050 0.047 <0.0040 <0.0050 0.043 <0.025 <0.025 <0.20 <0.025	J B Qualifier J	0.20 0.0075 0.025 0.050 0.025 0.10 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.20	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Ansenic Barlum Saryllium Sadmium Sadmium Sobalt Sopper ron	0.23 0.038 1.6 0.032 0.011 <0.025 0.46 P) - SPLP East Result <0.050 0.047 <0.050 0.047 <0.0040 <0.050 0.013 <0.025 <0.025 <0.025	J B Qualifier J	0.20 0.0075 0.025 0.050 0.050 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 22:09 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46 10/28/13 19:46	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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Client: Weston Solutions, Inc. Project/Site: IDOT - New Avenue - 021		Client	Sample F	kesults			TestAmeri	ca Job ID: 500-6	54983-1			
Client Sample ID: TF-9(0-0.3)-101 Pate Collected: 10/15/13 12:15 Pate Received: 10/16/13 07:00	513						Lab Sample ID: 500-64 Matri					
Method: 6010B - Metals (ICP) - SPLP E Analyte		tinued) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Silver	<0.025		0.025	0.0050	ma/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			
the second second second second												
Method: 6010B - Total Metals	0.00				100		Concerns 1		-			
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac			
Aluminum	2100	В	10		mg/Kg	a	10/17/13 16:00	10/23/13 04:02	1			
Antimony	<5.2		5.2		mg/Kg	a	10/17/13 16:00	10/24/13 03:27	5			
Arsenic	4.3		2.6	0.52		0	10/17/13 16:00	10/24/13 03:27	5			
Barium	32		2,6	0.28		0	10/17/13 16:00	10/24/13 03:27	5			
Beryllium	0.29	7	1.0	0.091	mg/Kg	0 D	10/17/13 16:00	10/24/13 03:27	5			
Cadmium	1.3		0.52	0.066		0	10/17/13 16:00	10/24/13 03:27				
Calcium	190000	в	52 0.52	0.060	mg/Kg	0	10/17/13 16:00	10/24/13 03:27 10/23/13 04:02	5			
Chromium	36				mg/Kg	a		Caller of a solder				
Cobalt	2.9	-	1.3		mg/Kg	0	10/17/13 16:00	10/24/13 03:27 10/24/13 03:27	5			
Copper	16 9000		52	21	mg/Kg mg/Kg	0	10/17/13 16:00	10/24/13 03:27	5			
Iron		в	1.3		mg/Kg	œ.	10/17/13 16:00	10/24/13 03:27	5			
Lead Magnesium	180		26		mg/Kg	ö	10/17/13 16:00	10/24/13 03:27	5			
Manganese	390		2.6	0.14		0	10/17/13 16:00	10/24/13 03:27	5			
Nickel	10	P	2.6	0.25	mg/Kg	0	10/17/13 16:00	10/24/13 03:27	5			
Potassium	1400		2.0		mg/Kg	ø	10/17/13 16:00	10/23/13 04:02	1			
Selenium	<2.6		2.6	0.92		Œ	10/17/13 16:00	10/24/13 03:27	5			
Silver	<1.3		1.3		mg/Kg	0	10/17/13 16:00	10/24/13 03:27	5			
Sodium	5200		260	35	mg/Kg	ò	10/17/13 16:00	10/24/13 03:27	5			
Strontium		B *	1.3	0.052		o	10/17/13 16:00	10/24/13 03:27	5			
Thallium	<2.6	5	2.6		mg/Kg	O-	10/17/13 16:00	10/24/13 03:27	5			
Vanadium	15		1.3	0.19	mg/Kg	à.	10/17/13 16:00	10/24/13 03:27	5			
Zinc	190	в	5.2	1.0		CF	10/17/13 16:00	10/24/13 03:27	5			
Method: 7470A - Mercury (CVAA) - TC												
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac			
Mercury	0.052	JB	0.20	0.020	ug/L		10/29/13 12:00	10/30/13 10:04	1			
Method: 7470A - Mercury (CVAA) - SP	PEast											
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Mercury	<0.20		0.20	0.020			10/29/13 12:00	10/29/13 18:55	1			
Method: 7471B - Mercury in Solid or S		and the second se										
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac			
Mercury	14	1	16	7.4	ug/Kg	ä	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			open ou	10/22/13 08:40				

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	Definitions/Glossary
	Solutions, Inc. TestAmerica Job ID: 500-64983-1
Project/Site: IL	OT - New Avenue - 021
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 \	AON
Qualifier	Qualifier Description
	LCS or LCSD exceeds the control limits
á.	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.
1	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.
8	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)
NG	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
oc	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)

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TestAmerica Job ID: 500-64983-1

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Expiration Date 04-30-14 04-30-14

A		
Cer	tificatio	n Summarv

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

#### Laboratory: TestAmerica Chicago

All certifications held by this I	aboratory are listed. Not all certifications are	applicable to this report.	
Authority	Program	EPA Region	Certification ID
Alabama	State Program	4	40461
California	NELAP	9	01132CA
Georgia	State Program	4	N/A
Hawaii	State Program	9	N/A
Illinois	NELAP	5	100201

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	
lowa	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-1L035	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	BTMS-O	04-30-14	

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THE LEADER IN ENVIRONMENTAL		E. Bunkinon Hills	bushkumar A Aunlar Ct, Ste S20 Hills, DL 60061 8-4018			BII To (opfional)  Contact: Contact: Address: Phone: Fac: PoxReferenced:					Chain of Custody Record Lab Job #. <u>500-64983</u> Chain of Custody Number: Page of Temperature *C of Cooler:			
en Weston	Client Project #		Preservative		1.5		1		1.11		1.55	1	1. HCI	reservative Key , Cool to 4º
oject Nama <u>LDOT</u> - O2 oject Location/State ockports <u>LL</u> moler Dan <u>Cukietski</u>	Lab Projoct # Lab PM		Parameter	DCs	SUOG	L Metals	TCLP/SPLP Metals	4H					3, HN0 4, Na0	l to 4ª e
CI CI Sample ID		Sampling Date Time	# of Containers Matrix	N	N	F	TCL	0		1		1.1	Com	nants
$\begin{array}{c} (J) L 28 - U (0.5 - 16) \\ (J) L 28 - U (0.5 - 16) \\ (J) L 28 - 7 (0.5 - 16) \\ (J) L 28 - 7 (0.5 - 16) \\ (J) L 28 - 8 (0.5 - 16) \\ (J) L 27 - 1 (0.5 - 16) \\ (J) L 27 - 3 (0.5 - 16) \\ (J) L 27 - 3 (0.5 - 16) \\ (J) L 27 - 3 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - 4 (0.5 - 16) \\ (J) L 27 - $	1-101513D 10 5)-101513 k 5)-101513 k 5)-101513 k 5)-101513 k 5)-101513 k 5)-101513 k 1.5)-101513 k 1.5)-101513 k	2015/10 (252) 2015/10 (252) 2015/1	2 2 2 2 2 7 7 7 2 2 2 2 2 2 2 2 7 7 7 7	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXX						
1 Day2 Days5 Days7 Day equested Due Date elequisted Byen 27Company				n to Client		posal by Lab	Arch	ive for	Months	(A fee may		amples are retaine	d longer than 1 m	ionth)
alinguithee by Company	- 10/15 - 10/15 		27 C	Received By	Ens.	loots	onipany TA	CHLE.	Date D-15-03 Date Date	/13	1529 0701		b Courier	TA-
Inequited by Complexy Metrix Key W – Wasterwater – Water – Soli – Soli – Soli – Leexchate – Solig – S-Miscellaneous DW – Drinking Wi- Verp	Client Comments	8		received By			.company	Lab Comments	uge /		Timo	Hand	Delivered	

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THE LEADER IN ENVIRONMENTAL TESTING 2417 Bond Street, University Park, L. 0044 Phone: 708:534.5200 Fax: 708:534.5211 Phone: 2010-10 Fax: 708:54.5200 Fax: 708:534.5211					Babusukumar ton P. Bunkir Ct. Stroop Hills, P.L. 60061 918 - 4018				Bill To Contract: Address: Address: Pione: Fix:				Chain of Custody Record Lab Job #: <u>500-64983</u> Chain of Cisiody Namber. Page Temperiture % of Cooler			
m Wieston	Client Project #	E-M	əll:	Preserva	tivo		1-	PO#/Refere	nce#			1	- 67 - 10 - 10	1 on por auns	1	Preservative Key HCL, Cool to 4°
VESTER Ject Name IDOT - 021	7.000		5	Parame	ter		1		-				1			H2SO4, Cool to 4ª H2SO4, Cool to 4ª
lect Location/State	Lab Project #							5	4 7				-		-	I. NaOH, Cool to 4° i. NaOH/Zn, Cool to 4°
ockport, IL	Lab PM			1		Š	S	etals	SPLP	-					1 1	<ul> <li>NaHSO4</li> <li>Cool to 4°</li> <li>None</li> </ul>
Dan Cukierski				-	_	ŏ	SNOG	J.	CLP/SPLP Metali	Ha						, None I, Other
Simple ID		Sam		# of Containers	4	5	IN	2-	2-	1 Le			1.1			
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TF-2 (0-0.5)-1015 2 TF-2 (0-0.5)-1015		0/15/13	1055		2	××	X	×	×	X						
TF-2 (0-0.5)-1015		1/15/12	053		5		$\times$	~	X	×			-			
TF-3 (05-115)-101		1/15/13	105	-	5	×	X	X	X	X		-		-	-	
114 (0.5-1.5)-		0/15/13			5	6	2	~	X	×		-		-		
TF-4 (0.5-1.5)- TF-5 (0.5-1.5)- TF-6 (0-0.3)-p	1015-13	0/15/13	1130	-	5	$\sim$	X	×	X	×						
11-6(0-0.3)-p 1 TF-7(0-0.5)-	101513	1/15/13	1155	2	2	5	2	X	X	X						
TF-8 (0-0.3)-		15/13	1205		5	X	S	X	X	X	-	-				
TF-9 (0-0.3)-		0/15/13			2	X	S	1		X						
) TF-10 (0-0:3)-		1/3/12	1225		5	×	X	X	X	X		-		-	-	
around Time Required (Business Days) 1 Day 2 Days 5 Days 7 Day uested Duo Date registed By TUMUA Company Company Company	s 10 Days 15 I	Days 540	്ഡ് Other	Sample Fine Sel	leturn ti	d o Client Received B	Dis	posal by Lab	Arch	live for	_Months		be assessed if a	samplos are	retained longer that	an 1 month)
Inquisived by Company	Dak 10-1		the second s			Received	MAN	noto:	A	APT	Pate /1	1/2	0-701	0	Shipped	
invitibied By Company	Date	13	- 14	Timo		Received By	W V V V	CAVI-	lompany	114	Dato	112	Time		Hand Delivered	
- Wastewaier SE – Stedimen, Weter SO – Soli Soli L – Leochate Sludge W – Wipp - Miscellanous DW – Drinking Wat O – Oli O – Other	Cileni Comment	5						-	р	Lab Comments	8				Hand Delivered	

# **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.

Review your project results through TOTOLACCESS



**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	Lab Sample ID: 500-64982-2
Date Collected: 10/15/13 12:50	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 97.2

Method: 8260B - VOC						-	and the second second		-
Analyte	00000	Qualifier	RL		Unit	D 0	Prepared	Analyzed	Dil Fac
Acetone	<5.1		5.1		ug/Kg	a		10/21/13 18:18	1
Benzene	<5.1		5.1	0.70		D		10/21/13 18:18	1
Bromodichloromethane	<5.1		5.1	0.89	ug/Kg			10/21/13 18:18	1
Bromoform	<5.1	2	5.1		ug/Kg	a		10/21/13 18:18	1
Bromomethane	<5.1		5.1	1.6	ug/Kg	0		10/21/13 18:18	1
Carbon disulfide	<5.1		5.1	0.77		ġ.		10/21/13 18:18	1
Carbon tetrachloride	<5.1		5.1	0.94	ug/Kg	0		10/21/13 18:18	1
Chlorobenzene	<5.1		5.1	0.52		0.		10/21/13 18:18	1
Chloroethane	<5.1		5.1	1.4		0		10/21/13 18:18	1
Chloroform	<5.1		5,1	0.59	ug/Kg	9		10/21/13 18:18	1
Chloromethane	<5.1		5.1	1.1		0		10/21/13 18:18	1
cis-1,2-Dichloroethene	<5.1		5.1	0.73	ug/Kg	0		10/21/13 18:18	1
sis-1,3-Dichloropropene	<5.1		5.1	0.67	ug/Kg	0-		10/21/13 18:18	1
Dibromochloromethane	<5.1		5.1	0.89	ug/Kg	0		10/21/13 18:18	1
1, 1-Dichloroethane	<5.1		5.1	0.81	ug/Kg	0		10/21/13 18:18	1
1.2-Dichloroethane	<5.1		5.1	0.76	ug/Kg	0-		10/21/13 18:18	1
1,1-Dichloroethene	<5.1		5.1	0.83	ug/Kg	0		10/21/13 18:18	1
1.2-Dichloropropane	<5.1		5.1	0.78	ug/Kg	0		10/21/13 18:18	1
,3-Dichloropropene, Total	<5.1		5.1	0.67	ug/Kg	Ú.		10/21/13 18:18	1
Ethylbenzene	<5.1		5.1	1.0	ug/Kg	0.		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	D:		10/21/13 18:18	1
Methyl Ethyl Ketone	<5.t		5.1	1.9	ug/Kg	0		10/21/13 18:18	1
nethyl isobutyl ketone	<5.1		5.1	1.3	ug/Kg	0		10/21/13 18:18	1
Methyl tert-butyl ether	<5.1		5.1	0.85	ug/Kg	Ó.		10/21/13 18:18	4
Styrene	<5.1		5.1	0.67	ug/Kg	0.		10/21/13 18:18	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	1.0	ug/Kg	D		10/21/13 18:18	1
Fetrachloroethene	<5.1		5.1	0.79	ug/Kg	D		10/21/13 18:18	1
foluene	<5.1		5.1	0.72	ug/Kg	0		10/21/13 18:18	
rans-1,2-Dichloroethene	<5.1		5.1	0.71	ug/Kg	0-		10/21/13 18:18	1
rans-1,3-Dichloropropene	<5.1		5,1	0.92	ug/Kg	0		10/21/13 18:18	
1,1,1-Trichloroethane	<5.1		5.1	0.77	ug/Kg	0		10/21/13 18:18	
1,1,2-Trichloroethane	<5.1		5.1	0.70	ug/Kg	0		10/21/13 18:18	1
Trichloroethene	<5.1		5.1	0.85		-		10/21/13 18:18	1.1
Vinyl chloride	<5.1		5.1		ug/Kg	ō.		10/21/13 18:18	
Kylenes, Total	<10		10		ug/Kg	ø		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	7
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									
Analyte		Qualifier	RL	100 million (100 million)	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<680		680	150	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
,2-Dichlorobenzene	<680		680	150	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
1,3-Dichlorobenzene	<680		680	140	ug/Kg	0-	10/22/13 07:27	10/29/13 18:18	1
1,4-Dichlorobenzene	<680	· ·	680	140	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
2,2'-oxybis[1-chloropropane]	<680		680	150	ug/Kg	ō	10/22/13 07:27	10/29/13 18:18	1

TestAmerica Chicago

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TestAmerica Job ID: 500-64982-1

Lab Sample ID: 500-64982-2

Matrix: Solid Percent Solids: 97.2

OIL	0		Deserve	14 -
Client	: San	npie	Resu	IIIS

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

Client Sample ID: TF-12	(0-0.3)-101513			
Date Collected: 10/15/13 12:5	0			
Date Received: 10/16/13 07:0	0			
Method: 8270D - Semivolat	le Organic Compou	nds (GC/MS)	(Continued)	
Analyte	Result	Qualifier	RL	MDL
245 Trichlarophanal	<1300		1300	300

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1300	1300	390	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
2,4,6-Trichlorophenol	<1300	1300	170	ug/Kg	o.	10/22/13 07:27	10/29/13 18:18	1
2,4-Dichlorophenol	<1300	1300	410	ug/Kg	p:	10/22/13 07:27	10/29/13 18:18	i i
2,4-Dimethylphenol	<1300	1300	420	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
2,4-Dinitrophenol	<2700	2700	690	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
2.4-Dinitrotoluene	<680	680	210	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
2,6-Dinitratoluene	<680	680	160	ug/Kg	0	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	Ú-	10/22/13 07:27	10/29/13 18:18	1
2-Methylnaphthalene	<680	680	170	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
2-Methylphenol	<680	680	180	ug/Kg	D-	10/22/13 07:27	10/29/13 18:18	1
2-Nitroaniline	<680	680	240	ug/Kg	ō.	10/22/13 07:27	10/29/13 18:18	1
2-Nitrophenol	<1300	1300	210	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
3 & 4 Methylphenol	<680	680	250	ug/Kg	o.	10/22/13 07:27	10/29/13 18:18	1
3,3'-Dichlorobenzidine	<680	680	110		D	10/22/13 07:27	10/29/13 18:18	1
3-Nitroaniline	<1300	1300	260	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
4,6-Dinitro-2-methylphenol	<1300	1300	330	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
4-Bromophenyl phenyl ether	<680	680	150	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
4-Chloro-3-methylphenol	<1300	1300	640	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
4-Chloroaniline	<2700	2700	410	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Chlorophenyl phenyl ether	<680	680	210	ug/Kg	o.	10/22/13 07:27	10/29/13 18:18	1
4-Nitroaniline	<1300	1300	280	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
4-Nitrophenol	<2700	2700	730	ug/Kg	ø	10/22/13 07:27	10/29/13 18:18	1
Acenaphthene	<130	130	40	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Acenaphthylene	<130	130	31	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Anthracene	<130	130	32	ug/Kg	0	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	Ū.	10/22/13 07:27	10/29/13 18:18	1
Benzo[b]fluoranthene	280	130	26	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Benzo[g,h,i]perylene	310	130	45	ug/Kg	c	10/22/13 07:27	10/29/13 18:18	1
Benzo[k]fluoranthene	120 J	130	32	ug/Kg	ö.	10/22/13 07:27	10/29/13 18:18	1
Bis(2-chloroethoxy)methane	<680	680	150	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Bis(2-chloroethyl)ether	<680	680	200	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Bis(2-ethylhexyl) phthalate	<680	680	180	ug/Kg	či.	10/22/13 07:27	10/29/13 18:18	1
Butyl benzyl phthalate	<680	680	170	ug/Kg	o	10/22/13 07:27	10/29/13 18:18	1
Carbazole	<680	680	190	ug/Kg	D-	10/22/13 07:27	10/29/13 18:18	1
Chrysene	280	130	30	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Dibenz(a,h)anthracene	170	130	38	ug/Kg	05	10/22/13 07:27	10/29/13 18:18	. t
Dibenzofuran	<680	680	160	ug/Kg	o.	10/22/13 07:27	10/29/13 18:18	1
Diethyl phthalate	<680	680	220	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	
Dimethyl phthalate	<680	680	170	ug/Kg	<u>6</u> +	10/22/13 07:27	10/29/13 18:18	·
Di-n-butyl phthalate	<680	680	170	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Di-n-octyl phthalate	<680	680	270	ug/Kg	Ó.	10/22/13 07:27	10/29/13 18:18	1
Fluoranthene	220	130	55	ug/Kg	0-	10/22/13 07:27	10/29/13 18:18	
luorene	<130	130	31	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Hexachlorobenzene	<270	270	27	ug/Kg	0	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	
Hexachlorocyclopentadiene	<2700	2700	620	ug/Kg	O.	10/22/13 07:27	10/29/13 18:18	1
Hexachloroethane	<680 *	680	140	ug/Kg	0P	10/22/13 07:27	10/29/13 18:18	· · ·

TestAmerica Chicago

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Aven	ue - 021						TestAmeri	ca Job ID: 500-	64982-1
lient Sample ID: TF-12(	0-0.3)-101513						Lab Sam	ple ID: 500-6	4982-2
ate Collected: 10/15/13 12:50	0							Matri	x: Solid
ate Received: 10/16/13 07:00	D							Percent Soli	ds: 97.2
	and the second								
Method: 8270D - Semivolatil Analyte		Qualifier	5) (Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	210		130	45	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Isophorone	<680		680	150	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Naphthalene	<130		130	26	ug/Kg	ØF.	10/22/13 07:27	10/29/13 18:18	1
Nitrobenzene	<130		130	42	ug/Kg	Q.	10/22/13 07:27	10/29/13 18:18	1
N-Nitrosodi-n-propylamine	<680		680	170	ug/Kg	Ċ-	10/22/13 07:27	10/29/13 18:18	1
N-Nitrosodiphenylamine	<680		680	180	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Pentachlorophenol	<2700		2700	680	ug/Kg	0	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	Ū.	10/22/13 07:27	10/29/13 18:18	1
Pyrene	230		130	49	ug/Kg	0	10/22/13 07:27	10/29/13 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95	addinier	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	+
Nitrobenzene-d5	55		25 - 115				10/22/13 07:27	10/29/13 18:18	7
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
, oppinger generation of the second							10/2010 01/21	10.20110 10.10	
Method: 6010B - Metals (ICP		-					and the	Sector 1	in second
Analyte	12.000	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010			10/27/13 14:30	10/29/13 01:45	1
Barium		JB ^	0.50	0.010			10/27/13 14:30	10/29/13 01:45	1
Beryllium	<0.0040	-	0,0040	0.0040			10/27/13 14:30	10/29/13 01:45	1
Cadmium		7	0.0050	0.0020			10/27/13 14:30	10/29/13 01:45	1
Chromium	<0.025		0.025	0.010	-		10/27/13 14:30	10/29/13 01:45	1
Cobalt	0.0080		0.025	0.0050			10/27/13 14:30	10/29/13 01:45	1
Copper	0.012	J	0.025	0.010			10/27/13 14:30	10/29/13 01:45	1
Iron	<0.20	"	0.20	0.20			10/27/13 14:30	10/29/13 01.45	1
Lead	<0.0075		0.0075	0.0050			10/27/13 14:30	10/29/13 01:45	1
Manganese	1.5		0.025	0.010			10/27/13 14:30	10/29/13 01:45	1
Nickel	0.016		0.025	0.010			10/27/13 14:30	10/29/13 01:45	1
Selenium	0.019	JB	0.050	0.010			10/27/13 14:30	10/29/13 01:45	1
Silver	<0.025	2	0.025	0.0050			10/27/13 14:30	10/29/13 01:45	1
Zinc	0.24	В	0.10	0.020	mg/L		10/27/13 14:30	10/29/13 01:45	,
Method: 6010B - Metals (ICF									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010			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			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
	-0.0075		0.0075	0.0050	mg/L		10/24/13 09:30	10/25/13 03:51	1
.ead	<0.0075								
Lead Manganese	<0.0075		0.025	0.010	mg/L		10/24/13 09:30	10/25/13 03:51	1
				0.010 0.010			10/24/13 09:30 10/24/13 09:30	10/25/13 03:51 10/25/13 03:51	1

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ient: Weston Solutions, Inc. oject/Site: IDOT - New Avenue -	021	onent	Sample F	counts			TestAmeri	ca Job ID: 500-	54982-1
lient Sample ID: TF-12(0-0 ate Collected: 10/15/13 12:50 ate Received: 10/16/13 07:00	.3)-101513						Lab Sam	ple ID: 500-6 Matri	4982-2 x: Solid
Method: 6010B - Metals (ICP) - 5 Analyte		ualifier	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	٦.	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	В	9.9	0.91	mg/Kg	a	10/17/13 09:15	10/18/13 11:56	1
Antimony	<5.0		5.0	2.0	mg/Kg	Ģ	10/17/13 09:15	10/22/13 01:16	5
Arsenic	2.4	J	2.5	0.49	mg/Kg	0	10/17/13 09:15	10/22/13 01:16	5
Barium	45		2.5	0.27	mg/Kg	õ	10/17/13 09:15	10/22/13 01:16	5
Beryllium		J	0.99	0.088	mg/Kg	Ø	10/17/13 09:15	10/22/13 01:16	5
Cadmium	0.42	L	0.50	0.063	mg/Kg	0	10/17/13 09:15	10/22/13 01:16	5
Calcium	190000	в	50	13		Ø	10/17/13 09:15	10/22/13 01:16	5
Chromium	15		0.50	0.058	mg/Kg	0	10/17/13 09:15	10/18/13 11:56	1
Cobalt	1.6		1.2	0.089	mg/Kg	a	10/17/13 09:15	10/22/13 01:16	5
Copper	.46		2.5	0.22	mg/Kg	Q.	10/17/13 09:15	10/22/13 01:16	5
Iron	9000		50	20	mg/Kg	Q	10/17/13 09:15	10/22/13 01:16	5
Lead	22		1.2	0.37		0	10/17/13 09:15	10/22/13 01:16	5
Magnesium	110000	B	25	5.1	mg/Kg	Ö.	10/17/13 09:15	10/22/13 01:16	5
Manganese	370		2.5	0.13	mg/Kg	0	10/17/13 09:15	10/22/13 01:16	5
Nickel	5.3	в	0.50	0.049	mg/Kg	0	10/17/13 09:15	10/18/13 11:56	1
Potassium	530		25	1.5	mg/Kg	Ċ,	10/17/13 09:15	10/18/13 11:56	1
Selenium	<2.5		2.5	0.88	mg/Kg	Œ	10/17/13 09:15	10/22/13 01:16	5
Silver	<1.2		1.2	0.090	mg/Kg	Ū.	10/17/13 09:15	10/22/13 01:16	5
Sodium	980		50	6.7		0	10/17/13 09:15	10/18/13 11:56	1
Strontium	67	B *	0.25	0.010	mg/Kg	0	10/17/13 09:15	10/18/13 11:56	1
Thallium	<2.5		2.5	1.0	mg/Kg	CF-	10/17/13 09:15	10/22/13 01:16	5
Vanadium	12		1.2	0.18	mg/Kg	Ċ.	10/17/13 09:15	10/22/13 01:16	5
Zinc	68	В	5.0	1.0	mg/Kg	Ċ-	10/17/13 09:15	10/22/13 01:16	5
Method: 7470A - Mercury (CVA)		a sa a s	10.228	-		- G.	2.00	1201-0	- Trice
Analyte	1313431	Qualifier	RL	MDL		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 (CVA/		2.10			676		a stand	10.77.2	002.7
Analyte	Result	Qualifier	RL	MDL		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 Sol							Provide State		
Analyte		Qualifier	RL	MDL		- D	Prepared	Analyzed	Dil Fac
Mercury	11	1	15	7.1	ug/Kg	Çî.	10/18/13 15:00	10/21/13 11:08	1
General Chemistry	and a		an Indae	- 242			Salar.	and the	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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	Definitions/Glossary
	Solutions, Inc. TestAmerica Job ID: 500-64982- IOT - New Avenue - 021
Qualifiers	
GC/MS VOA	
Qualifier	Qualifier Description
•	LCS or LCSD exceeds the control limits
a second at the	
GC/MS Semi V	<i>I</i> OA
Qualifier	Qualifier Description
	LCS or LCSD exceeds the control limits
1	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
n.	ICV, CCV, ICB, CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related OC exceeds the control limits.
8	Compound was found in the blank and sample.
2	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
F.	applicable. 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
GNF	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 Umit
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)
- TEO Toxicity Equivalent Ouotient (Dioxin)

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TestAmerica Job ID: 500-64982-1

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A		
Cer	tificatio	n Summarv

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

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
lowa	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
ouisiana	NELAP	6	30720	06-30-14
Aassachusetts	State Program	1	M-1L035	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
JSDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-O	04-30-14

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ELEADER IN ENVIRONMENT, 2417 Bond Struer, University Park II. Phone: 708.534 6200 Fax: 708.1	Company: War Address: 750 Address: Verne	ntae D. Babusukumar many Westen Mass 150 E. Buikar Ct. Steisco Mars Vernan Hills, T.L. GOEDOL ane 847-918-4018					Bill To Contact: Company: Address: Address: Phone: Fax: Ptifiederenice#					Chain of Custody Record Lati Job Jr. 500-6498 2 Chain of Crastody Number Page 3 of 4 Temperature C of Cooler. 52 4.4			
Weston	Client Project#	1	Preservative					-	5		11	1	Preservative Key 1. HCL, Copi to 4°		
I Name IDOT-000 (Location/State cheport, IL or Dan Cukierski genobe ID	Lab Project #	[™] Sempling Date Time *	A of Containers Containers Matrix	Vocs	Sloc	TCL Metals	TCLE/SALP Metals	4d			4		2. H2SC4, Cool to 4* 3. HNO3, Cool to 4* 4. NaOH, Cool to 4* 5. NaOHZD, Cool to 4* 6. NaHSOH 7. Cool to 4* 8. None 9. Other		
TF-11 (0-0.3)-10	11513	1/15/10 1235	25	×	X	×	X	X					Comments		
TF-12(0-0	·3)-101513 16		25	X	$\times$	×	X	X			1				
TF-B (0-03)	-101513 10	1510 1300	25	×	X	X	X	X		1					
11-1 (0-05	1-101513 10	1516 315	25	X	X	X	$\times$	×			1	1			
12-2(0-0.5)	-1015-13 10	115/13 1330	25	X	×	×	$\times$	X			1				
TL-3 (0-0.3)		115/13 1345	25	×	X	$\times$	X	X	1.1	4					
72-410-05	)-101513 La	11511 1355	25	>	X	×	×	$\left \right\rangle$	11.1.1	1.	1	10.00	11		
		15/3 1420	25	X	X	X	X	X							
12-660-0.5	1)-101513 K	1/15/13 1430	22	$\times$	$\times$	$\times$	×	$\times$		1			1		
TZ-6 (0-0.8).	KISBD K	115/13 1430	25	X	×	×	×	×		1	1				
ound Time Required (Business Days) Dey2 Days5 Days 7 Da sted Due Date	is 10 Days 15 Di	ays 57-01-2012 Other	Sample Dispo	sal to Client	X Dist	oosal by Lab	Arch	lvo foi	_ Months	(A feé may	be assessed i	f samples are n	stained longer than 1 month)		
shed By Jlon Company	ton 10/15		Time 29	Received By	R		TA		10-15-	13	152	9	Lab Courier TA		
there Company	Date		20	Received By	1 de	lt	Company A	-	Date /	16/13	Time	700	Shipped		
ahed By Company	Dato		Time	Received By	0		Dompany		Date	11.2	Time		Hand Delivered		
Malrix Key Water SE – Sediment Beer SO – Soil III – L – Leachaio Iudge WI – Wipo Riscellanoous DW – Drinking Wa NI O – Other	Cilént Comments							Lab Comments							
					Page 10	2 01104							111/7/20130		

-

TestAmer THE LEADER IN ENVIRONMENT 2417 Bond Bleet, University Perk, I. Phone: 708:534.5200 Fac: 708.6	AL TESTING 50454 34,5211	Company Address: Address:	Contact S. C Company: (Jes Address: <u>JSd</u> E- Address: <u>Vernur</u> Phone: <u>847-0</u> Fax E-Mali:			5. Babusukumur ^{4.} Jestan Jestan HE. Bunkin Ct, Sta SOD Man Hills, II. (20061 J-915-4018				(oplional)	-		Cha	Chain of Cu Page	Custody Record           500 - 64982           stody Number:
Bent Weston	Client Project #	-		Preserv	ative			50 - 10 - 10 - 11				1	1.1		Preservative Key 1. HCL, Cool to 4 ^o
TOOT-021 noiect Location/State Lockport, TL	Lab Project #			Param	neler	5	5	Metals	TCLP/SRF Metals	Hd			5. G		2, H/2SO4, Cool to 4° 3, H/XO3, Cool to 4° 4, NaCH, Cool to 4° 5, NaCH/2n, Cool to 4° 6, NaHSO4 7, Cool to 4° 8, None
Dan Cukierski	and the second se	Samplin Date	g Time	# of Containers	Matix	No/	SONS	TH	Teur	9-					Comments
11 _ TL-7 (0-0.8)-			500	8	5	×	$\times$	×	×	×			3	-	
12 TL-8(0-0.5	1-101513 101	15/13 1	510	2	5	×	×	×	$\times$	X					
		-	-		-					-		-	-	-	4
					1						-			1	
· · · ·		1		~ ~	1		2								
, (1		4	1	1	1		2	-			-	-			
- United States		-	-		4	2	in 1							-	
		-			-								-	-	
Turnaround Time Required (Business Days) 1 Day2 Days5 Days7 Da Requested Due Date		15 3700.000			Disposa Return to	Client	[≫] Dis	posal by Lab	Arc	nive for	Months	(A fee may	be assessed	if samples an	e retained longer than 1 month)
Relinquished By Company Wes		IA	15	Time 29	1	Received B	Up	/	A	-	10-15-	13	152ª	7	Lab Courier TA
Relinguished By Company	A 10-15	-13_	_1	11me		Received By	aft.	x	Company		Date )O	16/13_		00	Shipped
Relinquished By O Company	Date			Time		Received By	0		Company		Date		Time		Hand Delivered
Matrix Key           WW – Wastewater         SE – Sediment           S – Soli         L – Leachate           SL – Sludge         W – Wayer           SU – Solid         L – Leachate           SL – Sludge         W – Wayer           MS – Miscellanaous         DW – Drinking Wayer           OL – Oli         O – Other           A – Ahr         Key	Client Comments		5						- m-	Leb Comments	5: ****				
			1			1	Page 10	3 of 104							174742001300



Page 1 of 2 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 III. 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 III. 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

IL 532-2922

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

City: Lemont		State:	IL	Zip Code:		
County: Will				Township:		
Lat/Long of app	roximate center	of site in dec	cimal degrees (D	D.ddddd) to five dec	cimal places (e.g	., 40.67890, -90.12345):
Latitude: 41	.657243021	Longitude:	-88.044817803			
(D	ecimal Degrees)		(-Decimal Deg	rees)		
Identify how t	he lat/long data v	were determ	ined:			
57 000		and the second s				
GPS	Map Interpola	ation 🗌 F	Photo Interpolation	on 🗌 Survey	Other	
K GPS	Map Interpola	ation 🗌 F	Photo Interpolatio	on 🗌 Survey	Other	
	Map Interpola		Photo Interpolatio	on  Survey BOW:	Cother	BOA:
IEPA Site Numt	per(s), if assigned	d: BO	L:	BOW:	Other	BOA:
IEPA Site Numt	per(s), if assigned	d: BO	L:	BOW:		
IEPA Site Numi	per(s), if assigned perator Inform Site Ow	d: BO nation for	L:	BOW:	s	ite Operator
IEPA Site Numi II. Owner/Op Name:	per(s), if assigned perator Inform Site Ow Illinois Departm	d: BO mation for mer ent of Trans	L:	BOW:	S Illinois Departm	Site Operator nent of Transportation
IEPA Site Numl II. Owner/Op Name: Street Address:	per(s), if assigned perator Inform Site Ow	d: BO mation for mer ent of Trans	L:	BOW: Name: Street Address:	s	Site Operator nent of Transportation
IEPA Site Numl II. Owner/Op Name: Street Address: PO Box:	per(s), if assigned perator Inform Site Ow Illinois Departm	d: BO mation for mer ent of Trans er Court	L:	BOW: Name: Street Address: PO Box:	S Illinois Departm	Site Operator nent of Transportation
IEPA Site Numi II. Owner/Op Name:	per(s), if assigned perator Inform Site Ow Illinois Departmo 201 West Cente	d: BO mation for mer ent of Trans er Court	L: Source Site	BOW: Name: Street Address:	S Illinois Departm 201 West Cent	Site Operator nent of Transportation er Court

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 III. 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 III. 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 III. Adm. Code 1100.201(g), 1100.205(a), 1100.601):

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 III. 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 Tra	ransportation
Street Address:	2300 South Dirksen Parl	rkway
City:	Springfield	State: IL Zip Code: 62764
Phone:	217-785-4246	WEN GOB
Steven Gobelman, P. Printed N Licensed Professio	ame:	196-000598 LICENSED PROFESSIONAL Date: US GEOLOGIST
		IL PANA 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	
Sample Date	10/15/2013	10/15/2013	Soil Reference
Location ID	TL-1	TL-2	Concentrations
Depth Parameter	0-0.5	0 - 0,5	
Laboratory pH (s.u.)	8.02	8.7	<6.25,>9.0
VOCs (ug/kg)	None Detected	None Detected	-9.491-914
SVOCs (ug/kg)	Hors Deletico	Home Deceded	
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 1	ND	1800
Phenanthrene	280	350 J	210000
Pyrene	490	480 J	2300000
Total Metals (mg/kg)			- Trancad
Aluminum, Total	1800 B	5100 B	9200 / 9500
Antimony, Total	ND	0.93 J	5
Arsenic, Total	2.7	4.5	11.3/13
Arsenic, Total Barium, Total	52	69	1500
Beryllium, Total	0.27 J	0.42	22
Cadmium, Total	0.6	0.75	52
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 Nickel, Total	0.038	0.039	0.89
	10 B	12 B	100
Potassium, Total	940	1300	
Sodium, Total	260	1100	1
Strontium, Total	57 J	42 J	84
Vanadium, Total	17	20.8	550
Zinc, Total	240 B	220 8	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	16	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

1 WM-9W2-9990-11201902746557App: 115×

3.014

#### 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.

* - 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.

) WV9/W2900/000112012012027048553/Appel 00:50

2.01 4

# **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.

LINKS

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**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	Lab Sample 1D: 500-64982-4
Date Collected: 10/15/13 13:15	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 83.2

ate Received: 10/16/13 07:00								Percent Soli	ds: 93.2
and the second second									
Method: 8260B - VOC Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2,3	ug/Kg	0		10/21/13 19:05	1
Benzene	<5.4		5.4	0.73	ug/Kg	ġ		10/21/13 19:05	1
romodichloromethane	<5.4		5.4	0.92	ug/Kg	D		10/21/13 19:05	1
romoform	<5.4		5.4	1.2	ug/Kg	D.		10/21/13 19:05	1
Iromomethane	<5.4		5.4	1.6	ug/Kg	0		10/21/13 19:05	1
arbon disulfide	<5,4		5.4	0.80	ug/Kg	ġ.		10/21/13 19:05	1
arbon tetrachloride	<5.4		5.4	0.98	ug/Kg	0.		10/21/13 19:05	1
chlorobenzene	<5.4		5.4	0.54	ug/Kg	0.		10/21/13 19:05	1
hloroethane	<5.4	4	5.4	1.5	ug/Kg	0		10/21/13 19:05	1
chloroform	<5.4		5.4	0.62	ug/Kg	91		10/21/13 19:05	1
hloromethane	<5.4		5.4	1.1	ug/Kg	0		10/21/13 19:05	1
s-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	0		10/21/13 19:05	1
s-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg	05		10/21/13 19:05	1
ibromochloromethane	<5.4		5.4	0.93	ug/Kg	0		10/21/13 19:05	1
1-Dichloroethane	<5.4		5,4	0.85	ug/Kg	0		10/21/13 19:05	1
2-Dichloroethane	<5.4		5.4	0.79	ug/Kg	0-		10/21/13 19:05	1
1-Dichloroethene	<5.4		5.4	0.87	ug/Kg	0.		10/21/13 19:05	1
2-Dichloropropane	<5.4		5.4	0.81	ug/Kg	0		10/21/13 19:05	1
3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg	ô.		10/21/13 19:05	1
thylbenzene	<5.4		5.4	1.1	ug/Kg	0.		10/21/13 19:05	1
-Hexanone	<5.4		5.4	1.5	ug/Kg	0-		10/21/13 19:05	1
lethylene Chloride	<5.4		5.4	1.4	ug/Kg	0-		10/21/13 19:05	1
lethyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	0		10/21/13 19:05	1
nethyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	0		10/21/13 19:05	1
lethyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	ó		10/21/13 19:05	4
tyrene	<5.4		5.4	0.70	ug/Kg	0		10/21/13 19:05	1
1,2,2-Tetrachloroethane	<5.4		5.4		ug/Kg	D		10/21/13 19:05	1
etrachloroethene	<5.4		5.4		ug/Kg	o.		10/21/13 19:05	1
oluene	<5.4		5.4		ug/Kg	0-		10/21/13 19:05	i i
ans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg	0		10/21/13 19:05	
ans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg	0		10/21/13 19:05	
1,1-Trichloroethane	<5.4		5.4	0.80	ug/Kg	0		10/21/13 19:05	1.1
1,2-Trichloroethane	<5.4		5.4	0.73	ug/Kg	0		10/21/13 19:05	
richloroethene	<5.4		5.4		ug/Kg	±		10/21/13 19:05	
/inyl chloride	<5.4		5.4		ug/Kg	Ö.		10/21/13 19:05	
ylenes, Total	<5,4		11		ug/Kg	p.		10/21/13 19:05	i
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	92		70 - 122					10/21/13 19:05	1
libromofluoromethane	110		75 - 120					10/21/13 19:05	1
,2-Dichloroethane-d4 (Surr)	109		70 - 134					10/21/13 19:05	1
oluene-d8 (Surr)	99		75 - 122					10/21/13 19:05	Ť
Method: 8270D - Semivolatile	Organic Compou	nds (GC/MS	5)						
inalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorobenzene	<180	-	180	40	ug/Kg	Ø	10/22/13 07:27	10/28/13 18:08	1
2-Dichlorobenzene	<180		180	38	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
3-Dichlorobenzene	<180		180	37	ug/Kg	œ	10/22/13 07:27	10/28/13 18:08	1
4-Dichlorobenzene	<180	¥.	180	37	ug/Kg	D:	10/22/13 07:27	10/28/13 18:08	1
2'-oxybis[1-chloropropane]	<180		180	20	ug/Kg	ō	10/22/13 07:27	10/28/13 18:08	1

TestAmerica Chicago

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Oli - mi	6 C		D	-14-
Client	r Sam	Die	Rest	JILS

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

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

TestAmerica Job ID: 500-64982-1

Percent Solids: 93.2

Analyte	Result G	aualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<350		350	100	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
4,6-Trichlorophenol	<350		350	44	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
4-Dichlorophenol	<350		350	110	ug/Kg	Q:	10/22/13 07:27	10/28/13 18:08	t
4-Dimethylphenol	<350		350	110	ug/Kg	Q.	10/22/13 07:27	10/28/13 18:08	1
2,4-Dinitrophenol	<700		700	180	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
2,4-Dinitrotoluene	<180		180	53	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
2,6-Dinitrotoluene	<180		180	42	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
2-Chloronaphthalene	<180		180	39	ug/Kg	13	10/22/13 07:27	10/28/13 18:08	1
2-Chlorophenol	<180		180	50	ug/Kg	D-	10/22/13 07:27	10/28/13 18:08	1
2-Methylnaphthalene	66 J	1	180	45	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
2-Methylphenol	<180		180	46	ug/Kg	p-	10/22/13 07:27	10/28/13 18:08	1
2-Nitroaniline	<180		180	63	ug/Kg	D.	10/22/13 07:27	10/28/13 18:08	1
2-Nitrophenol	<350		350	55	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
& 4 Methylphenol	<180		180	66	ug/Kg	ø	10/22/13 07:27	10/28/13 18:08	1
), 3'- Dichlorobenzidine	<180		180	29	ug/Kg		10/22/13 07:27	10/28/13 18:08	1
Nitroaniline	<350		350	67	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	4
4,6-Dinitro-2-methylphenol	<350		350	85	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Bromophenyl phenyl ether	<180		180	39	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
-Chloro-3-methylphenol	<350		350	170	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Chloroaniline	<700		700	110	ug/Kg	o	10/22/13 07:27	10/28/13 18:08	1
Chlorophenyl phenyl ether	<180		180	55	ug/Kg	a	10/22/13 07:27	10/28/13 18:08	1
4-Nitroaniline	<350		350	72	ug/Kg	ō	10/22/13 07:27	10/28/13 18:08	1
I-Nitrophenol	<700		700	190	ug/Kg	ø	10/22/13 07:27	10/28/13 18:08	1
Acenaphthene	<35		35	10	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Acenaphthylene	<35		35	8.0	ug/Kg	O.	10/22/13 07:27	10/28/13 18:08	1
Anthracene	28 J	1	35	8.2	ug/Kg	0-	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	Ū.	10/22/13 07:27	10/28/13 18:08	1
Benzo[b]fluoranthene	470		35	6.8		0	10/22/13 07:27	10/28/13 18:08	1
Benzo[g,h,i]perylene	280		35	12		a	10/22/13 07:27	10/28/13 18:08	1
Benzo[k]fluoranthene	95		35	8.3	ug/Kg	Ő.	10/22/13 07:27	10/28/13 18:08	1
Bis(2-chloroethoxy)methane	<180		180	39	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Bis(2-ethylhexyl) phthalate	130 J	1	180	46	ug/Kg	či.	10/22/13 07:27	10/28/13 18:08	1
Butyl benzyl phthalate	<180		180	44	ug/Kg	o	10/22/13 07:27	10/28/13 18:08	1
Carbazole	<180		180	49	ug/Kg	Ø.	10/22/13 07:27	10/28/13 18:08	1
Chrysene	610		35	7.9	ug/Kg	O.	10/22/13 07:27	10/28/13 18:08	1
Dibenz(a,h)anthracene	96		35	9.8	ug/Kg	0-	10/22/13 07:27	10/28/13 18:08	1
Dibenzofuran	<180		180	42	ug/Kg	œ.	10/22/13 07:27	10/28/13 18:08	1
Diethyl phthalate	<180		180	58	ug/Kg	a.	10/22/13 07:27	10/28/13 18:08	1
Dimethyl phthalate	<180		180	44	ug/Kg	(OF	10/22/13 07:27	10/28/13 18:08	t
Di-n-butyl phthalate	<180		180	44	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Di-n-octyl phthalate	<180		180	71	ug/Kg	o.	10/22/13 07:27	10/28/13 18:08	1
luoranthene	310		35	14	ug/Kg	0-	10/22/13 07:27	10/28/13 18:08	
Fluorene	9.8 J	Î.	35	7.9	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Hexachlorobenzene	<70		70	6.9	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Hexachlorobutadiene	<180		180	46	ug/Kg	o	10/22/13 07:27	10/28/13 18:08	
Hexachlorocyclopentadiene	<700		700	160	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
lexachloroethane	<180 *		180		ug/Kg	a.	10/22/13 07:27	10/28/13 18:08	

TestAmerica Chicago

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Construction of the second	ue - 021						TestAmeri	ca Job ID: 500-6	64982-1
lient Sample ID: TL-1(0-							Lab Sam	ple ID: 500-64	4982-4
ate Collected: 10/15/13 13:15	and the second second								x: Solid
ate Received: 10/16/13 07:00								Percent Soli	
Method: 8270D - Semivolatile Analyte		nds (GC/MS Qualifier	5) (Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	180		35	12	ug/Kg	ō	10/22/13 07:27	10/28/13 18:08	1
Isophorone	<180		180	39	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Naphthalene	32	J	35	6.7	ug/Kg	ØF	10/22/13 07:27	10/28/13 18:08	1
Nitrobenzene	<35		35	11	ug/Kg	Q.	10/22/13 07:27	10/28/13 18:08	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
N-Nitrosodiphenylamine	<180		180	47	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Pentachlorophenol	<700		700	180	ug/Kg	0	10/22/13 07:27	10/28/13 18:08	1
Phenanthrene	280		35	15	ug/Kg	ci.	10/22/13 07:27	10/28/13 18:08	1
Phenol	<180		180	55	ug/Kg	D.	10/22/13 07:27	10/28/13 18:08	1
Pyrene	490		35	13	ug/Kg	0	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 Analyte Arsenic		Qualifier	RL 0.050	MDL 0.010	- const	D	Prepared 10/27/13 14:30	Analyzed	Dil Fac
Barium		JB ^	0.50	0.010			10/27/13 14:30	10/29/13 01:55	4
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
	<0.20	ñ :	0.20	0.20	mg/L		10/27/13 14:30	10/29/13 01:55	1
II WI		1	0.0070		mg/L		10/27/13 14:30	10/29/13 01:55	
	0.0051		0.0075	0.0050					1
Lead	0.0051		0.0075	0.0050			10/27/13 14:30	10/29/13 01:55	1
Lead Manganese					mg/L				
Lead Manganese Nickel	1.2	J	0.025	0.010	mg/L mg/L		10/27/13 14:30	10/29/13 01:55	1
Lead Manganese Nickel Selenium	1.2	J	0.025 0.025	0.010 0.010 0.010	mg/L mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 01:55 10/29/13 01:55	1
Iron Lead Manganese Nickel Selenium Silver Zinç	1.2 0.011 0.013	JB	0.025 0.025 0.050	0.010 0.010 0.010	mg/L mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55	1
Lead Manganese Nickel Selenium Silver	1.2 0.011 0.013 <0.025 0.79	JB	0.025 0.025 0.050 0.025	0.010 0.010 0.010 0.0050	mg/L mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55	1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East	JB	0.025 0.025 0.050 0.025	0.010 0.010 0.010 0.0050	mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55	1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East	B JB J	0.025 0.025 0.050 0.025 0.10	0.010 0.010 0.010 0.0050 0.020	mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East Result	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 RL	0.010 0.010 0.010 0.0050 0.020 MDL	mg/L mg/L mg/L mg/L mg/L Unit mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 Prepared	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55	1 1 1 1 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP Andyte Arsenic Barium	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East <u>Result</u> <0.050	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050	0.010 0.010 0.010 0.0050 0.020 MDL 0.010	mg/L mg/L mg/L mg/L mg/L Unit mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 <b>Prepared</b> 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 <b>Analyzed</b> 10/25/13 04:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium Beryllium	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East Result <0.050 0.030	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50	0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 <b>Prepared</b> 10/24/13 09:30 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 <b>Analyzed</b> 10/25/13 04:04 10/25/13 04:04	1 1 1 1 1 1 1 Dil Fac 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium Beryllium Cadmium	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East Result <0.050 0.030 <0.0040	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040	0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 <b>Prepared</b> 10/24/13 09:30 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 <b>Analyzed</b> 10/25/13 04:04 10/25/13 04:04	1 1 1 1 1 1 1 Dil Fac 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Andyte Arsenic Barium Beryllium Cadmium Chromium	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East Result <0.050 0.030 <0.0040 <0.0040	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050	0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 <b>Prepared</b> 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 <b>Analyzed</b> 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04	1 1 1 1 1 1 1 Dil Fac 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barlum Beryllium Cadmium Chromium Cobalt	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East <b>Result</b> <0.050 0.030 <0.0040 <0.0050 <0.026	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.0050 0.025	0.010 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 <b>Analyzed</b> 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04	1 1 1 1 1 1 1 1 1 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barlum Baryllium Cadmium Chromium Cobalt Copper	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East <b>Result</b> <0.050 0.030 <0.0040 <0.0050 <0.025 <0.025	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.025 0.025	0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/25/13 01:55 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04	1 1 1 1 1 1 Dil Fac 1 1 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barlum Beryllium Cadmium Chromium Cobalt Copper Iron	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East Result <0.050 0.030 <0.0040 <0.0050 <0.025 <0.025 0.011	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.025 0.025 0.025	0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/25/13 01:55 01/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East <b>Result</b> <0.050 0.030 <0.040 <0.0050 <0.025 0.021 1.8 0.020 0.025	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP Analyte Arsenic Barlum Beryllium Cadmium Chromium Cobalt Copper Iron Lead	1.2 0.011 0.013 <0.025 0.79 ) - SPLP East <0.050 0.030 <0.0040 <0.0050 <0.025 0.011 1.8 0.020	J J B B Qualifier	0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.060 0.50 0.0040 0.0050 0.025 0.025 0.025 0.20 0.0075	0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/29/13 01:55 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04 10/25/13 04:04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue -	021	Client	Sample F	results			TestAmeri	ca Job ID: 500-1	64982-1
lient Sample ID: TL-1(0-0.6 ate Collected: 10/15/13 13:15 ate Received: 10/16/13 07:00	5)-101513						Lab Sam	ple ID: 500-6 Matri	4982-4 x: Solid
Method: 6010B - Metals (ICP) - 3 Analyte		tinued) 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	В	10	0.96	mg/Kg	a	10/17/13 09:15	10/18/13 12:23	1
Antimony	<5.2		5.2		mg/Kg	à	10/17/13 09:15	10/22/13 01:29	5
Arsenic	2.7		2.6		mg/Kg	0	10/17/13 09:15	10/22/13 01:29	5
Barium	52		2,6	0.28	mg/Kg	õ	10/17/13 09:15	10/22/13 01:29	5
Beryllium	0.27	J	1.0	0.092	mg/Kg	Ø	10/17/13 09:15	10/22/13 01:29	5
Cadmium	0.60		0.52	0.066	mg/Kg	D	10/17/13 09:15	10/22/13 01:29	5
Calcium	150000	В	52		mg/Kg	Ø	10/17/13 09:15	10/22/13 01:29	5
Chromium	15		0.52	0.061	mg/Kg	0	10/17/13 09:15	10/18/13 12:23	1
Cobalt	2.9		1.3	0.093	mg/Kg	a	10/17/13 09:15	10/22/13 01:29	5
Copper	16		2.6	0.23	mg/Kg	O-	10/17/13 09:15	10/22/13 01:29	5
ron	11000		52	22		0	10/17/13 09:15	10/22/13 01:29	5
Lead	52		1.3		mg/Kg	O.	10/17/13 09:15	10/22/13 01:29	5
Magnesium	91000	в	26	5.4	mg/Kg	0	10/17/13 09:15	10/22/13 01:29	5
Manganese	370	в	2.6	0.14	mg/Kg	0	10/17/13 09:15	10/22/13 01:29	5
Nickel	10	В	2.6	0.26	mg/Kg	0	10/17/13 09:15	10/22/13 01:29	5
Potassium	940		26	1.6	mg/Kg	Ċ,	10/17/13 09:15	10/18/13 12:23	1
Selenium	<2.6		2.6	0.93	mg/Kg	œ	10/17/13 09:15	10/22/13 01:29	5
Silver	<1.3		1.3	0.095	mg/Kg	ġ.	10/17/13 09:15	10/22/13 01:29	5
Sodium	260	-	52		mg/Kg	0	10/17/13 09:15	10/18/13 12:23	1
Strontium	57	B ^	0.26				10/17/13 09:15	10/18/13 12:23	1
Thallium	<2.6		2.6			Q.	10/17/13 09:15	10/22/13 01:29	5
Vanadium	17		1.3	0.19	5 5	0-	10/17/13 09:15	10/22/13 01:29	5
Zinç	240	в	5.2	1.1	mg/Kg	0	10/17/13 09:15	10/22/13 01:29	5
Method: 7470A - Mercury (CVA) Analyte		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
Mathedi 74704 Marours (OVA	A) SDID Ford								
Method: 7470A - Mercury (CVA) Analyte	A) - SPLP East Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20	adomici	0.20	0.020			10/24/13 13:00	10/25/13 12:52	Di Fac
	40.20		0.20	0.020	- Ster		10/2010 10:00	10120110 12.02	
Method: 7471B - Mercury in Sol Analyte		Waste (Manu Qualifier	al Cold Vapo RL	Technie MDL		D	Prepared	Analyzed	Dil Fac
Mercury	38	autornici	18		ug/Kg	- <del>a</del>	10/18/13 15:00	10/21/13 11:12	1
and the second second			1.1	30	0.0		a contraction of the	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac

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TestAmerica Job ID: 500-64982-1

**Client Sample Results** 

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

Date Collected: 10/15/13 13:30 Date Received: 10/16/13 07:00

Client Sample ID: TL-2(0-0.5)-101513

 Lab Sample ID: 500-64982-5
Matrix: Solid
Percent Solide: 90.4

Wethod: 8260B - VOC		Our life on			11-12		Deserved	Antonia	-
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
cetone	<5.5		5.5	24				10/21/13 19:29	1
enzene	<5.5		5.5	0.76	ug/Kg	D		10/21/13 19:29	1
romodichloromethane	<5.5		5.5	0.95	ug/Kg	0		10/21/13 19:29	1
romoform	<5.5	5	5.5	1.3	~ ~	0		10/21/13 19:29	1
romomethane	<5.5		5.5	1.7		ġ.		10/21/13 19:29	1
arbon disulfide	<5.5		5.5	0.83	ug/Kg	0		10/21/13 19:29	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	0		10/21/13 19:29	1
hlorobenzene	<5.5		5.5	0.56	ug/Kg	0		10/21/13 19:29	1
hloroethane	<5.5		5.5	1.5		0		10/21/13 19:29	1
hloroform	<5.5		5.5	0.64	ug/Kg			10/21/13 19:29	1
hloromethane	<5.5		5.5	1.2		0		10/21/13 19:29	1
s-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	0		10/21/13 19:29	
s-1,3-Dichloropropene	<5.5		5.5	0.73		0		10/21/13 19:29	1
ibromochloromethane	<5.5		5.5	0.96	ug/Kg	0		10/21/13 19:29	1
1-Dichloroethane	<5.5		5.5	0.88	ug/Kg	0		10/21/13 19:29	1
,2-Dichloroethane	<5.5		5.5		ug/Kg	0.		10/21/13 19:29	1
1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	0.		10/21/13 19:29	1
2-Dichloropropane	<5.5		5.5	0.84		0		10/21/13 19:29	
3-Dichloropropene, Total	<5.5		5.5		ug/Kg	0		10/21/13 19:29	1
thylbenzene	<5.5		5.5	1.1	ug/Kg	0		10/21/13 19:29	1
Hexanone	<5.5		5.5	1.6		9		10/21/13 19:29	
ethylene Chloride	~5.5		5.5	1.5	ug/Kg	0		10/21/13 19:29	4
ethyl Ethyl Ketone	<5.6		5.5	2.0	ug/Kg	0		10/21/13 19:29	1
ethyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	0		10/21/13 19:29	
ethyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	Ó		10/21/13 19:29	3
tyrene	<5.5		5.6	0.73	ug/Kg	0.		10/21/13 19:29	1
1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	D		10/21/13 19:29	
etrachloroethene	<5.5		5.5	0.85	ug/Kg	D		10/21/13 19:29	1
oluene	<5.5		5.5	0.77	ug/Kg	0-		10/21/13 19:29	
ans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	<u>0</u> -		10/21/13 19:29	1.1.1
ans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	0		10/21/13 19:29	
1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	¢.		10/21/13 19:29	
1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	p.		10/21/13 19:29	
richloroethene	<5.6		5.5	0.91	ug/Kg	-		10/21/13 19:29	
inyl chloride	<5.5		5.5	1.2	ug/Kg	Ō.		10/21/13 19:29	1.1.1
ylenes, Total	<11		11	0.50	ug/Kg	p.		10/21/13 19:29	,
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	94	_	70 - 122					10/21/13 19:29	7
ibromofluoromethane	109		75 - 120					10/21/13 19:29	1
,2-Dichloroethane-d4 (Surr)	102		70 - 134					10/21/13 19:29	1
oluene-d8 (Surr)	99		75 - 122					10/21/13 19:29	1
lethod: 8270D - Semivolatile	Organic Compou	inds (GC/MS	5)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Trichlorobenzene	<3500		3500	790	ug/Kg	Ø	10/22/13 07:27	10/28/13 18:25	5
2-Dichlorobenzene	<3500		3500	770	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
3-Dichlorobenzene	<3500		3500	740	ug/Kg	ø	10/22/13 07:27	10/28/13 18:25	5
4-Dichlorobenzene	<3500	¥.	3500	740	ug/Kg	D:	10/22/13 07:27	10/28/13 18:25	5
2'-oxybis[1-chloropropane]	<3500		3500	780	ug/Kg	ō	10/22/13 07:27	10/28/13 18:25	5

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**Client Sample Results** 

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

Client Sample ID: TL-2(0-0.5)-101513	
Date Collected: 10/15/13 13:30	
Date Received: 10/16/13 07:00	

TestAmerica Job ID: 500-64982-1 Lab Sample ID: 500-64982-5

> Matrix: Solid Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<7000		7000	2000	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
4,6-Trichlorophenol	<7000		7000	880	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
4-Dichlorophenol	<7000		7000	2100	ug/Kg	Ø-	10/22/13 07:27	10/28/13 18:25	5
4-Dimethylphenol	<7000		7000	2200	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
2,4-Dinitrophenol	<14000		14000	3600	ug/Kg	Ċ-	10/22/13 07:27	10/28/13 18:25	5
2,4-Dinitrotoluene	<3500		3500	1100	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
2, 6-Dinitrotoluene	<3500		3500	830	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
2-Chloronaphthalene	<3500		3500	790	ug/Kg	ta-	10/22/13 07:27	10/28/13 18:25	5
2-Chlorophenol	<3500		3500	1000	ug/Kg	Ú-	10/22/13 07:27	10/28/13 18:25	5
2-Methylnaphthalene	<3500		3500	910	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
2-Methylphenol	<3500		3500	930	ug/Kg	p-	10/22/13 07:27	10/28/13 18:25	5
2-Nitroaniline	<3500		3500	1300	ug/Kg	D.	10/22/13 07:27	10/28/13 18:25	5
Nitrophenol	<7000		7000	1100	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
& 4 Methylphenol	<3500		3500	1300	ug/Kg	ø	10/22/13 07:27	10/28/13 18:25	5
3'-Dichlorobenzidine	<3500		3500	580	ug/Kg	D	10/22/13 07:27	10/28/13 18:25	5
Nitroaniline	<7000		7000	1400	ug/Kg	¢.	10/22/13 07:27	10/28/13 18:25	5
6-Dinitro-2-methylphenol	<7000		7000	1700	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Bromophenyl phenyl ether	<3500		3500	780	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
-Chloro-3-methylphenol	<7000		7000	3400	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Chloroaniline	<14000		14000	2100	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Chlorophenyl phenyl ether	<3500		3500	1100	ug/Kg	a.	10/22/13 07:27	10/28/13 18:25	5
Nitroaniline	<7000		7000	1400	ug/Kg	ō	10/22/13 07:27	10/28/13 18:25	5
Nitrophenol	<14000		14000	3800	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
cenaphthene	<700		700	210	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
cenaphthylene	<700		700	160	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Anthracene	<700		700	160	ug/Kg	0	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	Ö.	10/22/13 07:27	10/28/13 18:25	5
Benzo[b]fluoranthene	530	J	700	140	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Benzo[g,h,i]perylene	580	J	700	240	ug/Kg	α	10/22/13 07:27	10/28/13 18:25	5
Benzo[k]fluoranthene	240	J	700	170	ug/Kg	ġ.	10/22/13 07:27	10/28/13 18:25	5
Bis(2-chloroethoxy)methane	<3500		3500	770	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
3is(2-chloroethyl)ether	<3500		3500	1000	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Bis(2-ethylhexyl) phthalate	<3500		3500	930	ug/Kg	8	10/22/13 07:27	10/28/13 18:25	5
Butyl benzyl phthalate	<3500		3500	880	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Carbazole	<3500		3500	990	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Chrysene	790		700	160	ug/Kg	Ö.	10/22/13 07:27	10/28/13 18:25	5
Dibenz(a,h)anthracene	<700		700	200	ug/Kg	05	10/22/13 07:27	10/28/13 18:25	5
Dibenzofuran	<3500		3500	840	ug/Kg	ō.	10/22/13 07:27	10/28/13 18:25	5
Diethyl phthalate	<3500		3500	1200	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Dimethyl phthalate	<3500		3500	880	ug/Kg	Q+	10/22/13 07:27	10/28/13 18:25	5
Di-n-butyl phthalate	<3500		3500	880	ug/Kg	Q.	10/22/13 07:27	10/28/13 18:25	5
Di-n-octyl phthalate	<3500		3500	1400	ug/Kg	ò.	10/22/13 07:27	10/28/13 18:25	5
luoranthene	340	L	700	290	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
luorene	<700	1	700	160	ug/Kg	0.	10/22/13 07:27	10/28/13 18:25	5
lexachlorobenzene	<1400		1400	140	ug/Kg	ò	10/22/13 07:27	10/28/13 18:25	5
lexachlorobutadiene	<3500		3500	920	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
lexachlorocyclopentadiene	<14000		14000	3200	ug/Kg	ō.	10/22/13 07:27	10/28/13 18:25	5
lexachloroethane	<3500	10	3500		ug/Kg	a-	10/22/13 07:27	10/28/13 18:25	5

TestAmerica Chicago

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oject/Site: IDOT - New Avenu	ie - 021		t Sample F				TestAmeri	ca Job ID: 500-6	54982-1
lient Sample ID: TL-2(0-	0.5)-101513						Lab Sam	ple ID: 500-6	4982-5
ate Collected: 10/15/13 13:30								Matri	x: Solid
ate Received: 10/16/13 07:00								Percent Soli	ds: 90.4
		1.100.00							
Method: 8270D - Semivolatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	340	1	700	240	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
sophorone	<3500		3500	780	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Naphthalene	<700		700	140	ug/Kg	ØF	10/22/13 07:27	10/28/13 18:25	5
litrobenzene	<700		700	220	ug/Kg	Qr.	10/22/13 07:27	10/28/13 18:25	5
N-Nitrosodi-n-propylamine	<3500		3500	890	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
4-Nitrosodiphenylamine	<3500		3500	950	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
Pentachlorophenol	<14000		14000	3600	ug/Kg	0	10/22/13 07:27	10/28/13 18:25	5
henanthrene	350	J	700	290	ug/Kg		10/22/13 07:27	10/28/13 18:25	5
Phenol	<3500		3500	1100	ug/Kg	Ċ.	10/22/13 07:27	10/28/13 18:25	5
Pyrene	480	J	700	250		0	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		Qualifier	RL	MDL 0.010		D	Prepared 10/27/13 14:30	Analyzed	Dil Fac
Analyte	Result <0.050	Qualifier			mg/L	D			
Analyte Arsenic Barium	Result <0.050		0.050	0.010	mg/L	D	10/27/13 14:30	10/29/13 02:01	
Analyte Arsenic Barium Beryllium	Result <0.050 0.46	JB^	0.050	0.010 0.010	mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01	1
Analyte Arsenic Barium Beryllium Cadmium	Result <0.050 0.46 <0,0040	JB^	0.050 0.50 0.0040	0.010 0.010 0.0040	mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	1
Analyte Arsenic Barium Beryllium Cadmium Chromium	Result <0.050 0.46 <0.0040 0.0048	JB^	0.050 0.50 0.0040 0.0050	0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	1
Analyte Arsenic Barium Seryllium Cadmium Chromium Cobalt	Result <0.050 0.46 <0.0040 0.0048 <0.025	JB^	0.050 0.50 0.0040 0.0050 0.025	0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L	<u>D</u>	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	1
Analyte Arsenic Barium Gedmium Cadmium Chromium Gobalt Gopper	Result <0.050 0.46 <0,0040 0.0048 <0.025 <0.025	JB^	0.050 0.50 0.0040 0.0050 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.010	mg/L mg/L mg/L mg/L mg/L	<u>D</u>	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	1
Analyte Arsenic Barium Beryllium Cadmium Codait Copper ron	Result <0.050 0.46 <0,0040 0.0048 <0.025 <0.025 <0.025	J JB ^	0.050 0.50 0.0040 0.0050 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	1
Analyte Arsenic Barium Beryllium Cadmium Cadmium Cobalt Copper Iron	Result <0.050 0.46 <0.0040 0.0048 <0.025 <0.025 <0.025 <0.20	J JB ^	0.050 0.50 0.0040 0.0050 0.025 0.025 0.025 0.20	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Barium Beryllium Cadmium Cadmium Cobalt Copper ron Lead Vlanganese	Result <0.050 0.46 <0.020 0.0048 <0.025 <0.025 <0.025 <0.025 <0.20 <0.020	, ЧВ Г	0.050 0.50 0.0040 0.0050 0.025 0.025 0.025 0.20 0.20 0.0075	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Barium Seryllium Cadmium Chromium Cobalt Copper con Lead Manganese Vickel	Result <0.050 0.46 <0.0040 0.0048 <0.025 <0.025 <0.025 <0.20 <0.20 <0.025 <0.20 <0.025 <0.20 <0.0075 0.11	18 ^ 1	0.050 0.50 0.0040 0.025 0.025 0.025 0.25 0.20 0.0075 0.025	0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Barium Geryllium Cadmium Chromium Cobalt Gopper fon Lead Vlanganese Vickel Selenium	Result <0.050 0.46 <0.0040 0.0048 <0.025 <0.025 <0.025 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.011	18 ^ 1	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.20 0.0075 0.025 0.025	0.010 0.0040 0.0020 0.010 0.0050 0.010 0.20 0.0050 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<u></u>	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01 10/29/13 02:01	11111111111
Method: 6010B - Metals (ICP) Analyte Arsenic Barium Barium Cadmium Cadmium Cobait Copper Iron Lead Manganese Nickel Selenium Silver Zinc	Result <0.050 0.46 <0.0040 0.0048 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.011 0.011 0.014	18 1 1 1 1 2 8	0.050 0.50 0.0040 0.025 0.025 0.25 0.20 0.0075 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<u> </u>	10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper fon Lead Manganese Nickel Selenium Silver	Result           <0.050	18 1 1 1 1 2 8	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.0075 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Barium Beryllum Cadmium Cadmium Cadmium Cadmium Copper ron .ead Vianganese Vickel Selenium Silver	Result <0.050 0.46 <0.0040 0.0048 <0.025 <0.025 <0.20 <0.025 <0.20 <0.0075 0.11 0.011 0.014 <0.025 0.39 0 - SPLP East	18 1 1 1 1 2 8	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.0075 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Sarium Seryllium Cadmium Chromium Chromium Cooper Fron Lead Ananganese Arckel Selenium Silver Cinc Viethod: 6010B - Metals (ICP) Analyte	Result <0.050 0.46 <0.0040 0.0048 <0.025 <0.025 <0.20 <0.025 <0.20 <0.0075 0.11 0.011 0.014 <0.025 0.39 0 - SPLP East	9 7 7 7 7 8	0.050 0.50 0.0040 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.050 0.025 0.050	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.020 0.050 0.010 0.010 0.010 0.0050 0.020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Barium Seryllium Cadmium Chromium Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt C	Result <0.050 0.46 <0.0040 0.0048 <0.025 <0.025 <0.20 <0.20 <0.025 0.11 0.011 0.014 <0.025 0.39 - SPLP East Result	9 7 7 7 7 8	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.075 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.025 0.10	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Ansenic Sarium Seryllium Cadmium Chromium Cobalt Sopper Con Cead Ananganese Mickel Selenium Silver Cinc Wethod: 6010B - Metals (ICP) Analyte Arsenic Sarium	Result           <0.050	9 7 7 7 7 8	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.0075 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.10 <i>RL</i>	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.010 0.0050 0.020 MDL 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Barrium Barrium Cadmium Cadmium Cadmium Cobalt Copper Con e.ed Aanganese dickel Selenium Silver Cinc Viethod: 6010B - Metals (ICP) Analyte Arsenic Barrium Barrium	Result <0.050 0.46 <0.0040 0.0048 <0.025 <0.025 <0.20 <0.020 <0.0075 0.11 0.011 0.014 <0.025 0.39 - SPLP East Result <0.050 1.0	9 7 7 7 7 8	0.050 0.50 0.0040 0.025 0.025 0.20 0.0075 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.025 0.10 <i>RL</i>	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.0050 0.0050 0.010 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Usenic Sarium Sarylium Cadmium Cadmium Cadmium Cobalt Copper Fron Read Anaganese Manganese Manganese Silver Cinc Cinc Method: 6010B - Metals (ICP) Analyte Visenic Sarium Sarylium Cadmium	Result <0.050 0.46 <0.0040 0.0040 <0.025 <0.025 <0.025 <0.026 <0.020 <0.0275 0.11 0.011 0.014 <0.025 0.39 - SPLP East Result <0.050 1.0 <0.050 1.0	9 7 7 7 7 8	0.050 0.50 0.0040 0.025 0.025 0.20 0.0075 0.225 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.050 0.50 0.	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.0050 0.0050 0.010 0.0050 0.0050 0.020 MDL 0.010 0.010 0.010	mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/25/13 02:01 10/25/13 02:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Barium Beryllum Cadmium Cadmium Cobalt Copper ron Lead Wanganese Vickel Selenium Silver Elinc Wethod: 6010B - Metals (ICP)	Result           <0.050	JB^ J J J B B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.050 0.50 0.	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.010 0.010 0.010	mg/L		10/27/13 14:30 10/27/13 14:30	10/29/13 02:01 10/29/13 02:01 10/25/13 02:01 10/25/13 04:10 10/25/13 04:10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Analyte Analyte Servillum Cadmium Cadmium Cadmium Cobalt Copper Fron Lead Ananganese dickel Selenium Silver Cinc Method: 6010B - Metals (ICP) Analyte Arsenic Sarium Sarium Cadmium Cadmium Chromium Cobalt	Result           <0.050	JB^ J J J B B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.0050 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.010 0.010 0.010	mg/L		10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 02:01 10/29/13 02:01 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Analyte Arsenic Sarium Seryllium Cadmium Cadmium Cobalt Copper Fron e.ead Vanganese Vickel Selenium Silver Cinc Victhod: 6010B - Metals (ICP) Analyte Arsenic Sarium Saryllium Cadmium Chromium	Result           <0.050	JB^ J J J B B Qualifier	0.050 0.50 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.050 0.050 0.050 0.050 0.025 0.050 0.0050 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.0050 0.0050 0.0050 0.010 0.0050 0.010 0.0050 0.020 MDL 0.010 0.0010 0.0010 0.0010 0.0020 0.010	mg/L           mg/L		10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 02:01 10/29/13 02:01 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
analyte Usenic Usenic Sarium Cadmium Chromium Ch	Result <0.050 0.46 <0,0040 0.0048 <0.025 <0.025 <0.20 <0.025 <0.20 <0.0075 0.11 0.011 0.014 <0.025 0.39 - SPLP East Result <0.050 1.0 <0.0040 <0.0055 0.032 0.0055 0.065 15	JB^ J J J B B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.025 0.20 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.0050 0.010 0.010 0.010 0.0050 0.010 0.0050 0.010 0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010	mg/L           mg/L		10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 02:01 10/29/13 02:01 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Arsenic Jarium Beryllium Cadmium Chromium Cobalt Copper ron Lead Manganese Mickel Selenium Silver Einc Wethod: 6010B - Metals (ICP) Analyte Arsenic Barium Saryllium Cadmium Chromium Cobalt Copper ron	Result <ul> <li>&lt;0.050</li> <li>0.46</li> <li>&lt;0.0040</li> <li>0.0048</li> <li>&lt;0.025</li> <li>&lt;0.025</li> <li>&lt;0.20</li> <li>&lt;0.025</li> <li>&lt;0.20</li> <li>&lt;0.0076</li> <li>0.11</li> <li>0.014</li> <li>&lt;0.014</li> <li>&lt;0.025</li> <li>0.39</li> </ul> 9 - SPLP East Result <ul> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.055</li> &lt;</ul>	JB^ J J J B B Qualifier	0.050 0.50 0.0040 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.060 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	0.010 0.010 0.0040 0.0020 0.010 0.0050 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.0020 0.010 0.0050	mg/L		10/27/13 14:30 10/27/13 14:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30 10/24/13 09:30	10/29/13 02:01 10/29/13 02:01 10/25/13 02:01 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10 10/25/13 04:10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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ient: Weston Solutions, Inc. oject/Site: IDOT - New Avenue - 021			Sample F				TestAmeri	ca Job ID: 500-	64982-1
lient Sample ID: TL-2(0-0.5)-101513 ate Collected: 10/15/13 13:30 ate Received: 10/16/13 07:00							Lab Sam	ple ID: 500-6 Matri	4982-5 x: Solid
Method: 6010B - Metals (ICP) - SPLP East ( Analyte R		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 R	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	5100	B	11	1.0	mg/Kg	0	10/17/13 09:15	10/18/13 12:30	1
	0.93	-	1.1	0.44	mg/Kg	Ģ	10/17/13 09:15	10/18/13 12:30	1
Arsenic	4.5		0.54	0.11	mg/Kg	0	10/17/13 09:15	10/18/13 12:30	1
Barium	69		0,54	0.058	mg/Kg	õ	10/17/13 09:15	10/18/13 12:30	1
	0.42		0.22	0.019	mg/Kg	ø	10/17/13 09:15	10/18/13 12:30	1
Cadmium	0.75		0.11	0.014	mg/Kg	Q.	10/17/13 09:15	10/18/13 12:30	1
Calcium 10	0000	В	110	29	mg/Kg	0	10/17/13 09:15	10/22/13 01:35	10
Chromium	20		0.54	0.063	mg/Kg	0	10/17/13 09:15	10/18/13 12:30	1
Cobalt	4.1		0.27	0.019	mg/Kg	α	10/17/13 09:15	10/18/13 12:30	1
Copper	26		0.54	0.048	mg/Kg	0	10/17/13 09:15	10/18/13 12:30	1
Iron 1	1000		11	4.5	mg/Kg	Ø.	10/17/13 09:15	10/18/13 12:30	1
Lead	67		0.27	0.081	mg/Kg	σ	10/17/13 09:15	10/18/13 12:30	1
Magnesium 4	5000	в	5.4	1.1	mg/Kg	ö	10/17/13 09:15	10/18/13 12:30	1
Manganese	350	в	0.54	0.029	mg/Kg	Q.	10/17/13 09:15	10/18/13 12:30	1
Nickel	12	В	0.54	0.053	mg/Kg	0	10/17/13 09:15	10/18/13 12:30	1
	1300		27		mg/Kg	Ċ,	10/17/13 09:15	10/18/13 12:30	1
	0.54		0.54	0.19	mg/Kg	œ	10/17/13 09:15	10/18/13 12:30	1
	.023	JB	0.27	0.020	mg/Kg	ġ.	10/17/13 09:15	10/18/13 12:30	1
	1100		54		mg/Kg	o	10/17/13 09:15	10/18/13 12:30	1
Strontium	42	B *	0.27	0.011	mg/Kg	0	10/17/13 09:15	10/18/13 12:30	1
	0.54	-	0.54	0.23	mg/Kg	Q.	10/17/13 09:15	10/18/13 12:30	1
Vanadium	20		0.27		mg/Kg	ĊF.	10/17/13 09:15	10/18/13 12:30	્ય
Zinc	220	в	.1.1	0.22	mg/Kg	C-	10/17/13 09:15	10/18/13 12:30	1
Method: 7470A - Mercury (CVAA) - TCLP									
Analyte R	esult	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 E	ast								
	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	.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 Semis Analyte R	olid		al Cold Vapo RL	r Technic MDL		D	Prepared	Analyzed	Dil Fac
Mercury	39	Murdiniter	18		ug/Kg	- <del>0</del>	10/18/13 15:00	10/21/13 11:14	Di Fac
				10			and the second second	CLARK COLOUR	
General Chemistry									
Analyte R	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.70		0.200	0.200	SU	-		10/22/13 08:40	1

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	Definitions/Glossary
	Solutions, Inc. TestAmerica Job ID: 500-64982- IOT - New Avenue - 021
Qualifiers	
GC/MS VOA	
Qualifier	Qualifier Description
•	LCS or LCSD exceeds the control limits
a second at the	
GC/MS Semi V	<i>I</i> OA
Qualifier	Qualifier Description
	LCS or LCSD exceeds the control limits
1	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
n.	ICV, CCV, ICB, CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related OC exceeds the control limits.
8	Compound was found in the blank and sample.
2	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
F.	applicable. 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
GNF	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 Umit
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)
- TEO Toxicity Equivalent Ouotient (Dioxin)

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TestAmerica Job ID: 500-64982-1

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Cer	tificatio	n Summarv

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

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
Ilinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
lowa	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-O	04-30-14

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ELEADER IN ENVIRONMENT, 2417 Bond Struer, University Park II. Phone: 708.534 6200 Fax: 708.1		Ropert To S. Contact: S. Company: Loo Address: <u>TSO</u> Address: <u>Verne</u> Phone: <u>S47</u> - Fax: E-Mail:	E. Buike In Hills,	r Ct. Str. IL, GC	1.500	Bill To Contact: Company: Address: Address: Phone: Fax: PO#/Refere	SAM SAM	(optional)			Cha		or LI
Weston	Client Project#	1.	Preservative					-	5		11	1	Preservative Key 1. HCL, Copi to 4°
I Name IDOT-000 (Location/State cheport, IL or Dan Cukierski genobe ID	Lab Project #	[™] Sempling Date Time *	A of Containers Containers Matrix	Vocs	Sloc	TCL Metals	TCLE/SALP Metals	4d			4		2. H2SC4, Cool to 4* 3. HNO3, Cool to 4* 4. NaOH, Cool to 4* 5. NaOHZD, Cool to 4* 6. NaHSOH 7. Cool to 4* 8. None 9. Other
TF-11 (0-0.3)-10	11513	1/15/10 1235	25	×	X	×	X	X					Comments
TF-12(0-0	·3)-101513 16		25	X	$\times$	×	X	X			1		
TF-B (0-03)	-101513 10	1510 1300	25	×	X	X	X	X		1			
11-1 (0-05	1-101513 10	1516 315	25	X	X	X	$\times$	×			1	1	
12-2(0-0.5)	-1015-13 10	115/13 1330	25	X	×	×	$\times$	X			1		
TL-3 (0-0.3)		115/13 1345	25	×	X	$\times$	X	×	1.1	4			
72-410-05	)-101513 La	11511 1355	25	>	X	×	×	$\left \right\rangle$	11.1.1	1.	1	10.00	11
		15/3 1420	25	X	X	X	X	X					
12-660-0.5	1)-101513 K	1/15/13 1430	22	$\times$	$\times$	$\times$	×	$\times$		1			1
TZ-6 (0-0.8).	KISBD K	115/13 1430	25	X	×	×	×	×		1	1		
ound Time Required (Business Days) Dey2 Days5 Days 7 Da sted Due Date	is 10 Days 15 Di	ays StorDurd Other	Sample Dispo	sal to Client	X Dist	oosal by Lab	Arch	lvo foi	_ Months	(A feé may	be assessed i	f samples are n	stained longer than 1 month)
shed By Jlon Company	ton 10/15		Time 29	Received By	R		TA		10-15-	13	152	9	Lab Courier TA
there Company	Date		20	Received By	1 de	lt	Company A	-	Date /	16/13	Time	700	Shipped
ahed By Company	Dato		Time	Received By	0		Dompany		Date	11.2	Time		Hand Delivered
Malrix Key Water SE – Sediment Beer SO – Soil III – L – Leachaio Iudge WI – Wipo Riscellanoous DW – Drinking Wa NI O – Other	Cilént Comments							Lab Comments					
					Page 10	2 01104							111/7/20130

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TestAmer THE LEADER IN ENVIRONMENT 2417 Bond Bleet, University Perk, I. Phone: 708:534.5200 Fac: 708.6	AL TESTING 50454 34,5211	Address: Address:	5.	Bal stor Bun Hi 918.	113, -401	kumu H, Ste FL, GO 8	500	Bill To Contact: Company: Address: Address: Phone: Fax: PO#/Refere	-5£	(oplional)	-		Cha	Chain of Cu Page	Custody Record           500 - 64982           stody Number:
Bent Weston	Client Project #	-		Preserv	ative			50 - 10 - 10 - 11				1	1.1		Preservative Key 1. HCL, Cool to 4 ^o
TOOT-021 noiect Location/State Lockport, TL	Lab Project #			Param	neler	5	5	Metals	TCLP/SRF Metals	Hd			5. G		2, H/2SO4, Cool to 4° 3, H/XO3, Cool to 4° 4, NaCH, Cool to 4° 5, NaCH/2n, Cool to 4° 6, NaHSO4 7, Cool to 4° 8, None
Dan Cukierski	and the second se	Samplin Date	g Time	# of Containers	Matix	No/	SONS	TH	Teur	9-					Comments
11 _ TL-7 (0-0.8)-			500	8	5	×	$\times$	×	×	×			3	-	
12 TL-8(0-0.5	1-101513 101	15/13 1	510	2	5	×	×	×	$\times$	X					
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					1						-			1	
· · · ·		1		~ ~	1		2								
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- United States		-	-		4	2	in 1							-	
		-			-								-	-	
Turnaround Time Required (Business Days) 1 Day2 Days5 Days7 Da Requested Due Date		15 Storby			Disposa Return to	Client	[≫] Dis	posal by Lab	Arc	nive for	Months	(A fee may	be assessed	if samples an	e retained longer than 1 month)
Relinquished By Company Wes		IA	15	Time 29	1	Received B	Up	/	A	-	10-15-	13	152ª	7	Lab Courier TA
Relinguished By Company	A 10-15	-13_	_1	11me		Received By	aft.	x	Company		Date )O	16/13_		00	Shipped
Relinquished By O Company	Date			Time		Received By	0		Company		Date		Time		Hand Delivered
Matrix Key           WW – Wastewater         SE – Sediment           S – Soli         L – Leachate           SL – Sludge         W – Wayer           SU – Solid         L – Leachate           SL – Sludge         W – Wayer           MS – Miscellanaous         DW – Drinking Wayer           OL – Oli         O – Other           A – Ahr         Key	Client Comments		5						- m-	Leb Comments	5: ****				
			1			1	Page 10	3 of 104							174742001300



Page 1 of 2 **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 III. 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 III. 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)

City: Lemont		State: IL	Zip Code:		
County: Will			Township:		
Lat/Long of app	roximate center of	site in decimal degrees (D	D.ddddd) to five dec	imal places (e.g.	, 40.67890, -90.12345):
Latitude: 41	.6582248396 Lo	ongitude: -88.043850009	7		
(De	ecimal Degrees)	(-Decimal Deg	rees)		
Identify how t	he lat/long data we	re determined:			
GPS [	Map Interpolati	on 🔲 Photo Interpolatio	on 🗌 Survey	Other	
EPA Site Numb	per(s), if assigned:	BOL:	BOW:		BOA:
					BOA:
	perator Informa	ation for Source Site			
ll. Owner/Op	perator Informa Site Owne	ation for Source Site		s	ite Operator
<b>II. Owner/Oj</b> Name:	Derator Informa Site Owne Illinois Departmen	ation for Source Site er It of Transportation	Name:	S Illinois Departm	ite Operator ent of Transportation
II. Owner/Op Name: Street Address:	perator Informa Site Owne	ation for Source Site er It of Transportation	Name: Street Address:	s	ite Operator ent of Transportation
II. Owner/Op Name: Street Address: PO Box:	Derator Informa Site Owne Illinois Departmen 201 West Center	ation for Source Site er It of Transportation Court	Name: Street Address: PO Box:	S Illinois Departm 201 West Cente	ite Operator lent of Transportation er Court
II. Owner/Op Name: Street Address: PO Box:	Derator Informa Site Owner Illinois Departmen 201 West Center Schaumburg	ation for Source Site er It of Transportation	Name: Street Address:	S Illinois Departm 201 West Centr Schaumburg	ite Operator ent of Transportation er Court State: IL
<b>II. Owner/Oj</b> Name:	Derator Informa Site Owner Illinois Departmen 201 West Center Schaumburg	ation for Source Site er It of Transportation Court	Name: Street Address: PO Box:	S Illinois Departm 201 West Cente	ite Operator lent of Transportation er Court

11 532-2922

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 III. 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 III. 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 III. 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 III. 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 T	ransportation
Street Address:	2300 South Dirksen Pa	rkway
City:	Springfield	State: IL Zip Code: 62764
Phone:	217-785-4246	INTEVEN GOBE
Steven Gobelman, P.		
Printed N	lame:	= PDO-ENSED
The	AX-	12/24/15 Date: Date: PROFESSIONAL GEOLOGIST OF ILLINO
Licensed Profession	onal Engineer or onal Geologist Signature:	Date:
		P.E. OF ILLINO
		P HOILP G Seat

#### 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

	VL41-2(0-0.5)-101513		
Sample Date	10/15/2013	10/15/2013	Soil Reference
Location ID	VL41-2	VL41-3	Concentrations ^A
Depth	0-0.5	0-0.5	· · · · · · · · · · · · · · · · · · ·
Parameter			
Laboratory pH (s.u.)	8,46	8.33	<6.25,>9.0
VOCs (ug/kg) SVOCs (ug/kg)	None Detected	None Detected	
	170	130 J	900/1100/1800
Benzo(a)anthracene 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 8	17 B	107
Magnesium, Total	80000 B	90000 B	325000
Manganese, Total	450 B	410 8	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 8	13 B	550
Zinc, Total	76 B	52 B	5100
TCLP Metals (mg/l)	0.74.0	0.00.1	2
Barium, TCLP	0.71 B	0.29 J	
Cadmium, TCLP	0.0033 J	0.003 J	0.005
Cobalt, TCLP Copper, TCLP	0.0098 J	0.016.4	1 0.65
Iron, TCLP	0.022 J ND	0.02 J	0.05
Lead, TCLP	0.0052 J	0.0084	0.0075
Manganese, TCLP	2.3	2.3	0.0075
Nickel, TCLP	0.021 J	0.026	0.15
Zinc, TCLP	0.35	0.15	5
SPLP Metals (mg/l)	0.00	0.15	Ð
Barium, SPLP	0.08 J	0.026 J	2
Chromium, SPLP	0.08 J	ND	0.1
Copper, SPLP	0.012 J	ND	0.65
Iron, SPLP	8	ND	0,85
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

1 WV:0W20000011110010001040551App.0.00500

1.01.6

#### 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

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.

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

) WW9/W2900/001012013027048558Appe10030

2.0) 2

# **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:

LINKS

Review your project results through

Have a Question?

www.testamericainc.com

Visit us at:

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

Attn: Mr. S. Babusukumar

Rillh

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	Lab Sample ID: 500-64981-15
Date Collected: 10/15/13 11:15	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 97.3

Method: 8260B - VOC		1. Sec. 1.			14.4		and the second second		-
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.1		5.1		ug/Kg			10/23/13 16:06	1
Benzene	<5.1		5.1	0.70	ug/Kg	a D		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		ug/Kg	D.		10/23/13 16:06	1
Bromomethane	<5.1		5.1		ug/Kg	0		10/23/13 16:06	1
Carbon disulfide	<5.1		5.1	0.77		ġ.		10/23/13 16:06	1
Carbon tetrachloride	<5.1		5.1	0.94	ug/Kg	0		10/23/13 16:06	1
Chlorobenzene	<5.1		5.1	0.52	ug/Kg	0.		10/23/13 16:06	1
Chloroethane	<5.1		5.1	1.4	ug/Kg	0		10/23/13 16:06	1
Chloroform	<5.1		5,1	0.59	ug/Kg	9		10/23/13 16:06	1
Chloromethane	<5.1		5.1		ug/Kg	0		10/23/13 16:06	1
cis-1,2-Dichloroethene	<5.1		5.1	0.73	ug/Kg	D.		10/23/13 16:06	
sis-1,3-Dichloropropene	<5.1		5.1	0.67	ug/Kg	0-		10/23/13 16:06	1
Dibromochloromethane	<5.1		5.1	0.89	ug/Kg	0		10/23/13 16:06	1
1,1-Dichloroethane	<5.1		5.1	0.81	ug/Kg	0		10/23/13 16:06	1
1,2-Dichloroethane	<5.1		5.1	0.76	ug/Kg	0-		10/23/13 16:06	1
1,1-Dichloroethene	<5.1		5.1	0.83	ug/Kg	0		10/23/13 16:06	1
1.2-Dichloropropane	<5.1		5.1	0.78	ug/Kg	0		10/23/13 16:06	1
1,3-Dichloropropene, Total	<5.1		5.1	0.67	ug/Kg	Ú.		10/23/13 16:06	1
Ethylbenzene	<5.1		5.1	1.0	ug/Kg	0.		10/23/13 16:06	1
2-Hexanone	<5.1		5.1	1.5	ug/Kg	œ.		10/23/13 16:06	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg	0		10/23/13 16:06	1
Methyl Ethyl Ketone	<5.1		5.1	1.9	ug/Kg	0		10/23/13 16:06	1
methyl isobutyl ketone	<5.1		5.1	1.3	ug/Kg	0		10/23/13 16:06	1
Methyl tert-butyl ether	<5.1		5.1	0.85	ug/Kg	Ó		10/23/13 16:06	4
Styrene	<5.1		5.1	0.67	ug/Kg	D.		10/23/13 16:06	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	1.0	ug/Kg	D		10/23/13 16:06	1
Tetrachloroethene	<5.1		5.1	0.79	ug/Kg	o		10/23/13 16:06	1
Toluene	<5.1		5.1	0.72	ug/Kg	0-		10/23/13 16:06	
rans-1,2-Dichloroethene	<5.1		5.1	0.71	ug/Kg	ġ.		10/23/13 16:06	1
rans-1,3-Dichloropropene	<5.1		5,1	0.92	ug/Kg	G.		10/23/13 16:06	1
1,1,1-Trichloroethane	<5.1		5.1	0.77	ug/Kg	o.		10/23/13 16:06	
1, 1, 2-Trichloroethane	<5.1		5.1	0.70	ug/Kg	o,		10/23/13 16:06	1
Trichloroethene	<5.1		5.1		ug/Kg	-		10/23/13 16:06	1
Vinyl chloride	<5.1		5.1		ug/Kg	Ō.		10/23/13 16:06	i
Kylenes, Total	<10		10		ug/Kg	p.		10/23/13 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
4-Bromofluorobenzene (Surr)	112		70 - 122					10/23/13 16:06	7
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 Compou	nds (GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<840		840	190	ug/Kg	Ø	10/18/13 17:30	10/25/13 14:18	5
1,2-Dichlorobenzene	<840		840	180	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
1,3-Dichlorobenzene	<840		840	180	ug/Kg	0-	10/18/13 17:30	10/25/13 14:18	5
1,4-Dichlorobenzene	<840		B40	180	ug/Kg	D:	10/18/13 17:30	10/25/13 14:18	5
2,2'-oxybis[1-chloropropane]	<840		840	180	ug/Kg	ō	10/18/13 17:30	10/25/13 14:18	5

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**Client Sample Results** 

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

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

TestAmerica Job ID: 500-64981-1

Percent Solids: 97,3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1700		1700	480	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
4,6-Trichlorophenol	<1700		1700	210	ug/Kg	o.	10/18/13 17:30	10/25/13 14:18	5
4-Dichlorophenol	<1700		1700	510	ug/Kg	Ø-	10/18/13 17:30	10/25/13 14:18	5
4-Dimethylphenol	<1700		1700	520	ug/Kg	0-	10/18/13 17:30	10/25/13 14:18	5
4-Dinitrophenol	<3400		3400	850	ug/Kg	Ċ-	10/18/13 17:30	10/25/13 14:18	5
4-Dinitrotoluene	<840		840	260	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
2,6-Dinitrotoluene	<840		840	200	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
2-Chloronaphthalene	<840		840	190	ug/Kg	13	10/18/13 17:30	10/25/13 14:18	5
2-Chlorophenol	<840		840	240	ug/Kg	Ū.	10/18/13 17:30	10/25/13 14:18	5
Methylnaphthalene	<840		840	220	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
-Methylphenol	<840		840	220	ug/Kg	P	10/18/13 17:30	10/25/13 14:18	5
Nitroaniline	<840		840	300	ug/Kg	D.	10/18/13 17:30	10/25/13 14:18	5
Nitrophenol	<1700		1700	260	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
& 4 Methylphenol	<840		840	320	ug/Kg	o.	10/18/13 17:30	10/25/13 14:18	5
3'-Dichlorobenzidine	<840		840	140	ug/Kg	D	10/18/13 17:30	10/25/13 14:18	5
Nitroaniline	<1700		1700	320	ug/Kg	¢.	10/18/13 17:30	10/25/13 14:18	5
6-Dinitro-2-methylphenol	<1700		1700	400	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Bromophenyl phenyl ether	<840		840	190	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
-Chloro-3-methylphenol	<1700		1700	800	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Chloroaniline	<3400		3400	510	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Chlorophenyl phenyl ether	<840		840	260	ug/Kg	D	10/18/13 17:30	10/25/13 14:18	5
Nitroaniline	<1700		1700	340	ug/Kg	ō	10/18/13 17:30	10/25/13 14:18	5
Nitrophenol	<3400		3400	900	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
cenaphthene	<170		170	50	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
cenaphthylene	<170		170	38	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
nthracene	<170		170	39	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Senzo[a]anthracene	130	J	170	35	ug/Kg		10/18/13 17:30	10/25/13 14:18	5
lenzo[a]pyrene	180		170	30	ug/Kg	ō.	10/18/13 17:30	10/25/13 14:18	5
Benzo[b]fluoranthene	220		170	32	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Benzo[g,h,i]perylene	190		170	56	ug/Kg	a	10/18/13 17:30	10/25/13 14:18	5
Benzo[k]fluoranthene	89	J	170	40	ug/Kg	ő.	10/18/13 17:30	10/25/13 14:18	5
lis(2-chloroethoxy)methane	<840		840	180	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
lis(2-chloroethyl)ether	<840		840	250	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Bis(2-ethylhexyl) phthalate	260	J	840	220	ug/Kg	6	10/18/13 17:30	10/25/13 14:18	5
lutyi benzyi phthalate	<840		840	210	ug/Kg	o	10/18/13 17:30	10/25/13 14:18	5
Carbazole	<840		840	230	ug/Kg	Q.	10/18/13 17:30	10/25/13 14:18	5
Chrysene	290		170	38	ug/Kg	O.	10/18/13 17:30	10/25/13 14:18	5
Dibenz(a,h)anthracene		J	170	47	ug/Kg	05	10/18/13 17:30	10/25/13 14:18	5
Dibenzofuran	<840		840	200	ug/Kg	œ	10/18/13 17:30	10/25/13 14:18	5
Diethyl phthalate	<840		840	280	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Dimethyl phthalate	<840		840	210	ug/Kg	Q-	10/18/13 17:30	10/25/13 14:18	5
i-n-butyl phthalate	<840		840	210	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Di-n-octyl phthalate	<840		840	340	ug/Kg	ò.	10/18/13 17:30	10/25/13 14:18	5
luoranthene	210		170	68	ug/Kg	0-	10/18/13 17:30	10/25/13 14:18	5
luorene	<170		170	38	ug/Kg	0.	10/18/13 17:30	10/25/13 14:18	5
lexachlorobenzene	<340		340	33	ug/Kg	ò	10/18/13 17:30	10/25/13 14:18	5
lexachlorobutadiene	<840		840	220	ug/Kg	œ	10/18/13 17:30	10/25/13 14:18	5
lexachlorocyclopentadiene	<3400		3400	770	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Hexachloroethane	<840		840	180	ug/Kg	æ	10/18/13 17:30	10/25/13 14:18	5

TestAmerica Chicago

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenu	ue - 021		t Sample F				TestAmeri	ca Job ID: 500-6	54981-1
lient Sample ID: VL41-3	(0-0.5)-101513						Lab Samp	le ID: 500-64	981-15
ate Collected: 10/15/13 11:15							the second s	Matri	x: Solid
ate Received: 10/16/13 07:00								Percent Soli	ds: 97,3
		1. 100.00							
Method: 8270D - Semivolatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	92	J	170	56	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Isophorone	<840		840	190	ug/Kg	O.	10/18/13 17:30	10/25/13 14:18	5
Naphthalene	<170		170	32	ug/Kg	PF	10/18/13 17:30	10/25/13 14:18	5
Nitrobenzene	<170		170	52	ug/Kg	Dr.	10/18/13 17:30	10/25/13 14:18	5
N-Nitrosodi-n-propylamine	<840		840	210	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
N-Nitrosodiphenylamine	<840		840	230	ug/Kg	0	10/18/13 17:30	10/25/13 14:18	5
Pentachlorophenol	<3400		3400	850	ug/Kg	0	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	G	10/18/13 17:30	10/25/13 14:18	5
Pyrene	190		170	60	ug/Kg	0	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 Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	< 0.050		0.050	0.010			10/25/13 08:00	10/26/13 02:47	1
Barium	0.29	JB	0.50	0.010			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	JB	0.050	0.010			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	SPI P Fast								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	<0.050		0.050	0.010		- 1	10/27/13 14:30	10/29/13 04:02	1
Arsenic	0,026	J	0.50	0.010	10.00		10/27/13 14:30	10/29/13 04:02	1
			0.0040	0.0040			10/27/13 14:30	10/29/13 04:02	1
Barium	<0.0040				mg/L		10/27/13 14:30	10/29/13 04:02	1
Barium Beryllium			0.0050		~		10/27/13 14:30		
Barium Beryllium Cadmium	<0.0040		0.0050	0.010	mg/L		10/2//13 14.30	10/29/13 04:02	1
Barium Beryllium Cadmium Chromium	<0.0040 <0.0050						10/27/13 14:30	10/29/13 04:02	1
Barium Beryllium Cadmium Chromium Cobalt	<0.0040 <0.0050 <0.026 <0.025		0.025 0.025	0.010 0.0050	mg/L		10/27/13 14:30		
Barium Beryllium Cadmium Chromium Cobalt Copper	<0.0040 <0.0050 <0.025		0.025	0.010 0.0050 0.010	mg/L			10/29/13 04:02	1
Barium Beryllium Cadmium Chromium Cobalt Copper Iron	<0.0040 <0.0050 <0.026 <0.025 <0.025		0.025 0.025 0.025 0.20	0.010 0.0050 0.010 0.20	mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 04:02 10/29/13 04:02 10/29/13 04:02	1 1
Arsenic Barlum Beryllium Cadmium Cobalt Copper Iron Lead Manganese	<0.0040 <0.0050 <0.026 <0.025 <0.025 <0.20		0.025 0.025 0.025	0.010 0.0050 0.010 0.20 0.0050	mg/L mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 04:02 10/29/13 04:02 10/29/13 04:02 10/29/13 04:02	1 1 1
Barium Beryllium Cadmium Chromium Cobalt Copper Iron	<0.0040 <0.0050 <0.025 <0.025 <0.025 <0.025 <0.20 <0.20		0.025 0.025 0.025 0.20 0.20	0.010 0.0050 0.010 0.20	mg/L mg/L mg/L mg/L mg/L		10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/29/13 04:02 10/29/13 04:02 10/29/13 04:02	1 1 1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - I	021	Client	Sample F	cesuits			TestAmeri	ca Job ID: 500-(	54981-1
lient Sample ID: VL41-3(0-0 ate Collected: 10/15/13 11:15 ate Received: 10/16/13 07:00	).5)-101513						Lab Samp	le ID: 500-64 Matri	981-15 x: Solid
Method: 6010B - Metals (ICP) - S Analyte		tinued) 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	<u>a</u>	10/17/13 09:45	10/19/13 04:03	1
Antimony	<5.0		5.0	2.0	mg/Kg	Ģ	10/17/13 09:45	10/23/13 18:16	5
Arsenic	3.5		2.5	0.49	mg/Kg	0	10/17/13 09:45	10/23/13 18:16	5
Barium	23		2.5	0.27	mg/Kg	ō	10/17/13 09:45	10/23/13 18:16	5
Beryllium	0.27		0.99	0.088	mg/Kg	Ø	10/17/13 09:45	10/24/13 13:17	5
Cadmium	0.45		0.50		mg/Kg	D	10/17/13 09:45	10/23/13 18:16	5
Calcium	160000	В	50	13		ø	10/17/13 09:45	10/23/13 18:16	5
Chromium	14		0.50	0.058		0	10/17/13 09:45	10/19/13 04:03	1
Cobalt	2.3		1.2	0.089	mg/Kg	a	10/17/13 09:45	10/23/13 18:16	5
Copper	12		2.5	0.22	mg/Kg	Q.	10/17/13 09:45	10/23/13 18:16	5
ron	9500		50	20	mg/Kg	Q.	10/17/13 09:45	10/23/13 18:16	5
Lead	17		1.2	0.37	mg/Kg	0	10/17/13 09:45	10/24/13 13:17	5
Vagnesium	90000	В	25	5.1	mg/Kg	ö	10/17/13 09:45	10/23/13 18:16	5
Manganese	410	в	2.5	0.13	mg/Kg	0	10/17/13 09:45	10/23/13 18:16	5
Nickel	7.8		2.5	0.24	mg/Kg	0	10/17/13 09:45	10/23/13 18:16	5
Potassium	890		25	1.5		õ	10/17/13 09:45	10/19/13 04:03	1
Selenium	<2.5		2.5		mg/Kg	œ	10/17/13 09:45	10/24/13 13:17	5
Silver	<1.2		1.2	0.090	mg/Kg	o o	10/17/13 09:45	10/23/13 18:16	5
Sodium	580	-	50		mg/Kg	0	10/17/13 09:45	10/19/13 04:03	1
Strontium	56	B *	0.25	0.010	mg/Kg	Q.	10/17/13 09:45	10/19/13 04:03	1
Thallium	<2.5		2.5	1.0	mg/Kg	0	10/17/13 09:45	10/23/13 18:16	5
Vanadium	13		1.2		mg/Kg	0-	10/17/13 09:45	10/23/13 18:16	5
Zinc	52	в	5.0	1.0	mg/Kg	v	10/17/13 09:45	10/24/13 13:17	5
Method: 7470A - Mercury (CVAA Analyte		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	- SPI P Fast								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020			10/29/13 12:00	10/29/13 17:46	1
							10.000	1000000000	
Method: 7471B - Mercury in Soli Analyte		Qualifier	Ial Cold Vapo RL	MDL		D	Prepared	Analyzed	Dil Fac
Mercury	19	MUGHIEI	16		ug/Kg	- <del>a</del>	10/18/13 15:00	10/21/13 10:35	1
100 C									
General Chemistry									
Analyte	Pacult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac

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**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	Lab Sample ID: 500-64981-16
Date Collected: 10/15/13 11:35	Matrix: Solid
Date Received: 10/16/13 07:00	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	0		10/23/13 16:30	1
Benzene	<5.2		5.2	0.72	ug/Kg	o		10/23/13 16:30	1
Bromodichloromethane	<5.2		5.2	0.90	ug/Kg	D		10/23/13 16:30	1
Bramoform	<5.2		5.2	1.2	ug/Kg	0.		10/23/13 16:30	1
Bromomethane	<5.2		5.2	1.6	ug/Kg	0		10/23/13 16:30	1
Carbon disulfide	<5.2		5.2		ug/Kg	ġ.		10/23/13 16:30	1
Carbon tetrachloride	<5.2		5.2	0.95	ug/Kg	0.1		10/23/13 16:30	1
Chlorobenzene	<5.2		5.2	0.53	ug/Kg	0.		10/23/13 16:30	1
Chloroethane	<5.2		5.2	1.4		- Oh		10/23/13 16:30	1
Chloroform	<5.2		5.2	0.60	ug/Kg	9		10/23/13 16:30	1
Chloromethane	<5.2		5.2	1.1	ug/Kg	0		10/23/13 16:30	1
ris-1,2-Dichloroethene	<5.2		5.2	0.74	ug/Kg	0		10/23/13 16:30	1
as-1,3-Dichloropropene	<5.2		5.2	0.69	ug/Kg	0		10/23/13 16:30	
Dibromochloromethane	<5.2		5.2	0.91	ug/Kg	0		10/23/13 16:30	4
1,1-Dichloroethane	<5.2		5.2	0.83		ó		10/23/13 16:30	1
1.2-Dichloroethane	<5.2		5.2	0.78	ug/Kg	0-		10/23/13 16:30	i
1.1-Dichloroethene	<5.2		5.2		ug/Kg	0.		10/23/13 16:30	
1.2-Dichloropropane	<5.2		5.2	0.79	ug/Kg	0		10/23/13 16:30	
I,3-Dichloropropene, Total	<5.2		5.2	0.69	ug/Kg	ů.		10/23/13 16:30	
Ethylbenzene	<5.2		5.2	1.1	ug/Kg	0.		10/23/13 16:30	4
-Hexanone	<5.2		5.2	1.5	ug/Kg			10/23/13 16:30	
Methylene Chloride	<5.2		5.2	1.4				10/23/13 16:30	1
Methyl Ethyl Ketone	<5.2		5.2	1.9	ug/Kg	0		10/23/13 16:30	1
nethyl isobutyl ketone	<5.2		5.2		ug/Kg	0		10/23/13 16:30	1
Methyl tert-butyl ether	<5.2		5.2	0.86	ug/Kg	6		10/23/13 16:30	
Constraints and the second	<5.2		5.2	0.69	ug/Kg ug/Kg	0.		10/23/13 16:30	1
Styrene , 1, 2, 2-Tetrachloroethane	<5.2		5.2	0.69		D		10/23/13 16:30	1
						0			1
letrachloroethene	<5.2		5.2	0.80	ug/Kg	0		10/23/13 16:30	
foluene	<5.2		5.2		ug/Kg	0		10/23/13 16:30	- 5
rans-1,2-Dichloroethene	<5.2		5.2		ug/Kg	0		10/23/13 16:30	1
rans-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	ø		10/23/13 16:30	
1,2-Trichloroethane	<5.2		5.2	0.71	ug/Kg	9		10/23/13 16:30	1
Trichloroethene	<5.2		5.2	0.86		-		10/23/13 16:30	1
/inyl chloride	<5.2		5.2	1.1	ug/Kg	0		10/23/13 16:30	
Kylenes, Total	<10		10	0.47	ug/Kg	D.		10/23/13 16:30	,
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	Ť
	.700								
Method: 8270D - Semivolatile								and the second	
Analyte	and the second se	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
,2,4-Trichlorobenzene	<860		860	190	ug/Kg	D	10/18/13 17:30	10/25/13 02:37	5
,2-Dichlorobenzene	<860		860	190	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
,3-Dichlorobenzene	<860		860	180	ug/Kg	0-	10/18/13 17:30	10/25/13 02:37	5
1,4-Dichlorobenzene	<860		860	180	ug/Kg	D:	10/18/13 17:30	10/25/13 02:37	5
2,2'-oxybis[1-chloropropane]	<860		860	190	ug/Kg	ō	10/18/13 17:30	10/25/13 02:37	5

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**Client Sample Results** 

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

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

TestAmerica Job ID: 500-64981-1

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<1700	1700	490	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
4,6-Trichlorophenol	<1700	1700	210	ug/Kg	o.	10/18/13 17:30	10/25/13 02:37	5
4-Dichlorophenol	<1700	1700	520	ug/Kg	Q.	10/18/13 17:30	10/25/13 02:37	5
2,4-Dimethylphenol	<1700	1700	540	ug/Kg	Q.	10/18/13 17:30	10/25/13 02:37	5
2,4-Dinitrophenol	<3500	3500	880	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
2,4-Dinitrotoluene	<860	860	260	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
2,6-Dinitrotoluene	<860	860	200	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
2-Chloronaphthalene	<860	860	190	ug/Kg	- 13	10/18/13 17:30	10/25/13 02:37	5
2-Chlorophenol	<860	860	240	ug/Kg	Ú-	10/18/13 17:30	10/25/13 02:37	5
2-Methylnaphthalene	<860	860	220	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
2-Methylphenol	<860	860	230	ug/Kg	D-	10/18/13 17:30	10/25/13 02:37	5
2-Nitroaniline	<860	860	310	ug/Kg	Ö.	10/18/13 17:30	10/25/13 02:37	5
-Nitrophenol	<1700	1700	270	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
& 4 Methylphenol	<860	860	320	ug/Kg	o.	10/18/13 17:30	10/25/13 02:37	5
3'-Dichlorobenzidine	<860	860	140	ug/Kg	D	10/18/13 17:30	10/25/13 02:37	5
Nitroaniline	<1700	1700	330	ug/Kg	¢.	10/18/13 17:30	10/25/13 02:37	5
6-Dinitro-2-methylphenol	<1700	1700	420	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Bromophenyl phenyl ether	<860	860	190	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
-Chloro-3-methylphenol	<1700	1700	820	ug/Kg	o	10/18/13 17:30	10/25/13 02:37	5
Chloroaniline	<3500	3500	520	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Chlorophenyl phenyl ether	<860	860	270	ug/Kg	D.	10/18/13 17:30	10/25/13 02:37	5
-Nitroaniline	<1700	1700	350	ug/Kg	ō.	10/18/13 17:30	10/25/13 02:37	5
L-Nitrophenol	<3500	3500	920	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
cenaphthene	<170	170	51		0	10/18/13 17:30	10/25/13 02:37	5
Acenaphthylene	<170	170	39	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Anthracene	<170	170	40	ug/Kg	0	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
Senzo[a]pyrene	220	170	31	ug/Kg	Ū.	10/18/13 17:30	10/25/13 02:37	5
Benzo[b]fluoranthene	280	170		ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Benzo[g,h,i]perylene	330	170	58	ug/Kg	c	10/18/13 17:30	10/25/13 02:37	5
Benzo[k]fluoranthene	100 J	170	41	ug/Kg	ö.	10/18/13 17:30	10/25/13 02:37	5
Bis(2-chloroethoxy)methane	<860	860	190	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Bis(2-chloroethyl)ether	<860	860	250	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Bis(2-ethylhexyl) phthalate	<860	860	230	ug/Kg	ö.	10/18/13 17:30	10/25/13 02:37	5
Butyl benzyl phthalate	<860	860	210	ug/Kg	o	10/18/13 17:30	10/25/13 02:37	5
Carbazole	<860	860	240	ug/Kg	Q-	10/18/13 17:30	10/25/13 02:37	5
Chrysene	370	170	39	ug/Kg	o.	10/18/13 17:30	10/25/13 02:37	5
Dibenz(a,h)anthracene	76 J	170	48	ug/Kg	0-	10/18/13 17:30	10/25/13 02:37	5
Dibenzofuran	<860	860	210	ug/Kg	œ.	10/18/13 17:30	10/25/13 02:37	5
Diethyl phthalate	<860	860	290	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Dimethyl phthalate	<860	860	210	ug/Kg	Q-	10/18/13 17:30	10/25/13 02:37	5
Di-n-butyl phthalate	<860	860	220	ug/Kg	ō.	10/18/13 17:30	10/25/13 02:37	5
Di-n-octyl phthalate	<860	860	350	ug/Kg	ò.	10/18/13 17:30	10/25/13 02:37	5
luoranthene	220	170	70	ug/Kg	0-	10/18/13 17:30	10/25/13 02:37	5
luorene	<170	170	39	ug/Kg	0.	10/18/13 17:30	10/25/13 02:37	5
lexachlorobenzene	<350	350	34	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
lexachlorobutadiene	<860	860	220	ug/Kg	œ	10/18/13 17:30	10/25/13 02:37	5
lexachlorocyclopentadiene	<3500	3500	790	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
lexachloroethane	<860	860		ug/Kg	œ	10/18/13 17:30	10/25/13 02:37	5

TestAmerica Chicago

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roject/Site: IDOT - New Avenue -	- 021	5	t Sample F				TestAmeri	ca Job ID: 500-6	64981-1
lient Sample ID: VL41-2(0-	-0.5)-101513						Lab Samp	le ID: 500-64	981-16
ate Collected: 10/15/13 11:35	and and a							Matri	x: Solid
ate Received: 10/16/13 07:00								Percent Soli	ds: 95.6
		1.100.00							
Method: 8270D - Semivolatile O Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ndeno[1,2,3-cd]pyrene	160	J	170	58	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
sophorone	<860		860	190	ug/Kg	ō.	10/18/13 17:30	10/25/13 02:37	5
Naphthalene	<170		170	33	ug/Kg	10F	10/18/13 17:30	10/25/13 02:37	5
Nitrobenzene	<170		170	53	ug/Kg	Q:	10/18/13 17:30	10/25/13 02:37	5
N-Nitrosodi-n-propylamine	<860		860	220	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
N-Nitrosodiphenylamine	<860		860	230	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Pentachlorophenol	<3500		3500	870	ug/Kg	0	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	0-	10/18/13 17:30	10/25/13 02:37	5
Pyrene	280		170	62	ug/Kg	0	10/18/13 17:30	10/25/13 02:37	5
Surroaste	8 Danauari	Qualifier	Limits				Proparad	Analizad	Dil Fac
Surrogate	%Recovery 97	waanner	35 - 137				Prepared 10/18/13 17:30	Analyzed 10/25/13 02:37	Dil Fac
2,4,6-Tribromophenol 2-Fluorobiphenyl	97 87		-35 - 137 25 - 119				10/18/13 17:30	10/25/13 02:37	5
	91		25 - 119				10/18/13 17:30	10/25/13 02:37	5
2-Fluorophenol Nitrobenzene-d5	97		25 - 110				10/18/13 17:30	10/25/13 02:37	5
Nitrobenzene-a5 Phenol-d5	93		25 - 115 31 - 110				10/18/13 17:30	10/25/13 02:37	5
Terphenyl-d14	90		36 - 134				10/18/13 17:30	10/25/13 02:37	5
comon a r							10/10/10 17:00	10.0010 02.01	
Method: 6010B - Metals (ICP) -							-	antanta -	-
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	C 1	0.050	0.010			10/25/13 08:00	10/26/13 03:00	1
Barium	0.71	в	0.50		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	7	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		0.025	0.0050	mg/L		10/25/13 08:00	10/26/13 03:00	1
		1	0.025		mg/L				
Copper	0.022			0.010			10/25/13 08:00	10/26/13 03:00	1
ron	<0.20		0.20	0.20	mg/L		10/25/13 08:00	10/26/13 03:00	1
ron Lead	<0.20 0.0052	J	0.20 0.0075	0.20 0.0050	mg/L		10/25/13 08:00 10/25/13 08:00	10/26/13 03:00 10/26/13 03:00	1
ron Lead Manganese	<0.20 0.0052 2.3		0.20 0.0075 0.025	0.20 0.0050 0.010	mg/L mg/L		10/25/13 08:00 10/25/13 08:00 10/25/13 08:00	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00	1 1 1
ron Lead Manganese Nickel	<0.20 0.0052 2.3 0.021	J	0.20 0.0075 0.025 0.025	0.20 0.0050 0.010 0.010	mg/L mg/L mg/L		10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00	1 1 1 1
ron Lead Manganese Nickel Selenium	<0.20 0.0052 2.3 0.021 0.014	J	0.20 0.0075 0.025 0.025 0.050	0.20 0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L		10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 20:38	1 1 1
ron Lead Manganese Nickel Selenium Silver	<0.20 0.0052 2.3 0.021 0.014 <0.025	J	0.20 0.0075 0.025 0.025 0.050 0.050	0.20 0.0050 0.010 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00	1 1 1 1 1
ron Lead Manganese Nickel Selenium	<0.20 0.0052 2.3 0.021 0.014	J	0.20 0.0075 0.025 0.025 0.050	0.20 0.0050 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L		10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 20:38	1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - 4	<0.20 0.0052 2.3 0.021 0.014 <0.025 0.35 SPLP East	1B T	0.20 0.0075 0.025 0.025 0.050 0.025 0.10	0.20 0.0050 0.010 0.010 0.010 0.0050 0.020	mg/L mg/L mg/L mg/L mg/L		10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 20:38 10/26/13 03:00 10/26/13 03:00	1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) - 4 Analyte	<0.20 0.0052 2.3 0.021 0.014 <0.025 0.35 SPLP East Result	J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 RL	0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL	mg/L mg/L mg/L mg/L mg/L Unit	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00	1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) - 4 Analyte Arsenic	<0.20 0.0052 2.3 0.021 0.014 <0.025 0.35 SPLP East <u>Result</u> <0.050	J J B Qualifier	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050	0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL 0.010	mg/L mg/L mg/L mg/L mg/L Unit mg/L	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 Prepared 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 <b>Analyzed</b> 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) - : Analyte Arsenic Barium	<0.20 0.0052 2.3 0.021 0.014 <0.025 0.35 SPLP East Result <0.050 0.080	1B T	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050	0.20 0.0050 0.010 0.010 0.010 0.020 0.020 MDL 0.010 0.010	mg/L mg/L mg/L mg/L mg/L Unit mg/L mg/L	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 <b>Prepared</b> 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 <b>Analyzed</b> 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) - : Analyte Arsenic Barium Beryllium	<0.20 0.0052 2.3 0.021 0.014 <0.025 0.35 SPLP East Result <0.050 0.080 <0.0040	J J B Qualifier	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040	0.20 0.0050 0.010 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 <b>Prepared</b> 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 <b>Analyzed</b> 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) - : Analyte Arsenic Barium	<0.20 0.0052 2.3 0.021 0.014 <0.025 0.35 SPLP East Result <0.050 0.080 <0.0040 <0.0050	J J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020	тց/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 <b>Prepared</b> 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 <b>Analyzed</b> 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - 4 Analyte Ansenic Barium Barium Beryllium Cadmium	<ul> <li>&lt;0.20</li> <li>0.0052</li> <li>2.3</li> <li>0.021</li> <li>0.014</li> <li>&lt;0.025</li> <li>0.35</li> <li>SPLP East</li> <li>Result         <ul> <li><a href="https://doi.org">a.0.050</a></li> <li>0.080             <li>&lt;0.040 <li>&lt;0.050 <li><a href="https://doi.org">a.0.050</a></li> </li></li></li></ul> </li> </ul>	J J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.0050 0.0050	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 02:38 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Zinc Method: 6010B - Metals (ICP) - 4 Analyte Arsenic Barium Beryllium Cadmium	<0.20 0.0052 2.3 0.021 0.014 <0.025 0.35 SPLP East Result <0.050 0.080 <0.0040 <0.0050	J J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0040 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 <b>Analyzed</b> 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - 4 Analyte Ansenic Barium Barium Beryllium Cadmium	<ul> <li>&lt;0.20</li> <li>0.0052</li> <li>2.3</li> <li>0.021</li> <li>0.014</li> <li>&lt;0.025</li> <li>0.35</li> <li>SPLP East</li> <li>Result         <ul> <li><a href="https://doi.org">a.0.050</a></li> <li>0.080             <li>&lt;0.040 <li>&lt;0.050 <li><a href="https://doi.org">a.0.050</a></li> </li></li></li></ul> </li> </ul>	J J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.0040 0.0050 0.025 0.025	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.040	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - 3 Analyte Analyte Barium Barium Cadmium Cadmium Cobalt	<ul> <li>&lt;0.20</li> <li>0.0052</li> <li>2.3</li> <li>0.021</li> <li>0.014</li> <li>&lt;0.025</li> <li>0.35</li> <li>SPLP East</li> <li><b>Result</b> <ul> <li>&lt;0.050</li> <li>0.080</li> <li>&lt;0.040</li> <li>&lt;0.040</li> <li>&lt;0.040</li> <li>&lt;0.040</li> <li>&lt;0.040</li> <li>&lt;0.040</li> <li>&lt;0.040</li> <li>&lt;0.041</li> <li>&lt;0.025</li> <li>&lt;0.025</li> <li>(0.025          </li> </ul> <li>State of the second se</li></li></ul>	J J B Qualifier J	0.20 0.0075 0.025 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.50 0.0040 0.0050 0.025 0.025	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.040	mg/L mg/L mg/L mg/L mg/L Unit Unit Unit mg/L mg/L mg/L mg/L mg/L	P	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - 3 Analyte Analyte Barlum Barlum Sadmium Chromium Cobalt Copper	<ul> <li>&lt;0.20</li> <li>0.0052</li> <li>2.3</li> <li>0.021</li> <li>0.014</li> <li>&lt;0.025</li> <li>0.35</li> <li>SPLP East</li> <li>Result</li> <li>&lt;0.050</li> <li>&lt;0.080</li> <li>&lt;0.040</li> <li>&lt;0.040</li> <li>&lt;0.050</li> <li>&lt;0.012</li> <li>&lt;0.025</li> <li>&lt;0.012</li> <li>&lt;0.026</li> <li>&lt;0.013</li> </ul>	J J B Qualifier J	0.20 0.0075 0.025 0.050 0.025 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.20 0.0075	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.040	тց/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1 1 1
ron Lead Manganese Nickel Selenium Silver Zinc Method: 6010B - Metals (ICP) - 4 Analyte Analyte Barlum Baryllium Cadmium Cobalt Copper Iron	<ul> <li>&lt;0.20</li> <li>0.0052</li> <li>2.3</li> <li>0.021</li> <li>0.014</li> <li>&lt;0.025</li> <li>0.35</li> <li>SPLP East</li> <li>Result</li> <li>&lt;0.050</li> <li>&lt;0.040</li> <li>&lt;0.040</li> <li>&lt;0.050</li> <li>&lt;0.012</li> <li>&lt;0.025</li> <li>&lt;0.013</li> <li>&lt;0.013</li> <li>&lt;0.013</li> </ul>	J J B Qualifier J	0.20 0.0075 0.025 0.050 0.050 0.025 0.10 <b>RL</b> 0.050 0.0040 0.0050 0.025 0.025 0.025 0.025 0.20	0.20 0.0050 0.010 0.010 0.0050 0.020 MDL 0.010 0.010 0.0020 0.010 0.0020 0.010 0.0050 0.010	тց/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	D	10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/25/13 08:00 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30 10/27/13 14:30	10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/26/13 03:00 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26 10/29/13 04:26	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 021		Client	Sample F	results			TestAmeri	ca Job ID: 500-	54981-1
lient Sample ID: VL41-2(0-0.5) ate Collected: 10/15/13 11:35 ate Received: 10/16/13 07:00	-101513						Lab Samp	le ID: 500-64 Matri	981-16 x: Solid
Method: 6010B - Metals (ICP) - SPLF Analyte		tinued) 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	a	10/17/13 09:45	10/19/13 04:25	1
Antimony	<5.1		5.1	2.1	mg/Kg	G	10/17/13 09:45	10/23/13 18:22	5
Arsenic	4.5		2.6	0.51	mg/Kg	0	10/17/13 09:45	10/23/13 18:22	5
Barium	35		2,6	0,27	mg/Kg	õ	10/17/13 09:45	10/23/13 18:22	5
Beryllium	0.41	J	1.0	0.090	mg/Kg	Ø	10/17/13 09:45	10/24/13 13:23	5
Cadmium	0.68		0.51	0.065	mg/Kg	D.	10/17/13 09:45	10/23/13 18:22	5
Calcium	140000	в	51	14		Ø.	10/17/13 09:45	10/23/13 18:22	5
Chromium	16		0.51	0.059	mg/Kg	D.	10/17/13 09:45	10/19/13 04:25	1
Cobalt	4.1		1.3	0.091	mg/Kg	a	10/17/13 09:45	10/23/13 18:22	5
Copper	15		2.6	0.23	mg/Kg	C-	10/17/13 09:45	10/23/13 18:22	5
ron	11000		51	21	mg/Kg	Q.	10/17/13 09:45	10/23/13 18:22	5
ead	24	в	1.3	0.38	mg/Kg	CI-	10/17/13 09:45	10/24/13 13:23	5
Vlagnesium	80000	B	26	5.3	mg/Kg	ö	10/17/13 09:45	10/23/13 18:22	5
Manganese	450	B	2.6	0.14	mg/Kg	Q.	10/17/13 09:45	10/23/13 18:22	5
Nickel	11		2.6	0.25	mg/Kg	0	10/17/13 09:45	10/23/13 18:22	5
Potassium	1200		26	1.5	mg/Kg	Ċ,	10/17/13 09:45	10/19/13 04:25	1
Selenium	<2.6		2.6	0.91	mg/Kg	Œ	10/17/13 09:45	10/24/13 13:23	5
Silver	<1.3		1.3	0.092	mg/Kg	Ġ.	10/17/13 09:45	10/23/13 18:22	5
Sodium	1100		51	6.8		ò	10/17/13 09:45	10/19/13 04:25	1
Strontium		B ^	0.26	0.010	mg/Kg	0	10/17/13 09:45	10/19/13 04:25	1
Thallium	<2.6		2.6	1.1	mg/Kg	CF-	10/17/13 09:45	10/23/13 18:22	5
Vanadium	16	В	1.3	0.19	mg/Kg	Q.	10/17/13 09:45	10/23/13 18:22	5
Zinc	76	в	5.1	1.0	mg/Kg	C-	10/17/13 09:45	10/24/13 13:23	5
Method: 7470A - Mercury (CVAA) - 1		Curlin			11-14			Analysis	-
Analyte	Result	Qualifier	RL	MDL		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) - S	SPLP East Result	Qualifier	RL	MDL	Unit	D	Bronned	Analyzed	
Analyte	0.026	J	0.20	0.020		0	Prepared 10/29/13 12:00	Analyzed 10/29/13 17:48	Dil Fac
Mercury	0.026	J	0.20	0.020	ug/L		10/29/13 12:00	10/29/10 17:48	
Method: 7471B - Mercury in Solid or Analyte		Waste (Manu Qualifier	ual Cold Vapo RL		que) Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30	woomic	16		ua/Ka	- <del>a</del>	10/18/13 15:00	10/21/13 10:37	L/II Fac
whether a south	30		10	7.0	all und	-		19641119 19397	
General Chemistry					11-14		Deserved		-
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

TestAmerica Chicago

10/30/2013

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	Definitions/Glossary
	n Solutions, Inc. TestAmerica Job ID: 500-64981
Project/Site: IE	DOT - New Avenue - 021
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
A A A A A A A A A A A A A A A A A A A	Qualifier Description ICV.CCV.ICB.CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related OC exceeds the control limits.
в	Compound was found in the blank and sample.
4	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.
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
ac	Duality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

TEQ Toxicity Equivalent Quotient (Dioxin)

TestAmerica Chicago

10/30/2013

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TestAmerica Job ID: 500-64981-1

13

A	A
Certification	Summary

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

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	
lowa	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-1L035	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	BTMS-O	04-30-14	

TestAmerica Chicago

THE LEADER IN ENVIRONMENTAL 2417 Bond Street, University Park, II, 50 Phone: 708.534.5200 Fax: 768.534 Phone:		Contact: <u>S</u> . C Company: <u>(N</u> ) Address: <u>TS</u> Address: <u>Vtw</u> Phone: <u>8</u>	S. Babusukumak Western Solutions Inc.			(cplinnal)           Bil To           Contact           SAME           Company.           Address.           Phone.           Fac.			Chain of Custody Record Lab Job II: 500-64981 Chain of Custody Number: Page 1 of 2		
	500-64981 COC	Fax: D	11. 118-	-10-22		ll	J.		Temper	Temperature *C of Cooler	
Weston Solutions Inc.	Cilent Project #	021	Preservative							- 1	Preservative Key HCL, Cool to 4º
ject Name 1007 021 - New Ave ject Localion/State LLMONT FL	Lab Project #		Parameter			CP S				. 3 4 5 6 7	H2SO4, Cool to 4* HNO3, Cool to 4* NaOH, Cool to 4* NaOH/Zn, Cool to 4* NaHSO4 Cool to 4* None
M. Doheny-skubic	DWR	ight	50	OCS	JCs	Mutuls TELZ/SALP	-				. Other
B Semple ID		Sampling Date Time	# of Containers Matrix	3	SVOCS	MU	Hd	0.01		1.1	Comments
RR-27(0.5-1.5)	-101513 10-	15-13 0815		$\times$	X>	XX	>				adit forma
VL42-10 (0.5-1,5	)-101513 10-	15-13 0845		$\times$	$\times$	$\times$	X				
VL42-10(0.5-1,5	1)-101513010	-15-13 0845		XX	$\times$	$\prec \times$	X				
VL42-9(0-5-1-	5)-101513 10-	-15-13 0855	25	$\times$	$\langle \rangle$	$< \times$	X				
VL42-960-5-1.5 VL42-B(0.5-1.5 VL42-7(0.5-1.5 VL42-7(0.5-1.5 VL42-6(0.5-1.5	)-10/513 10-	15-13 0902		$\times$	$\times$	$< \times$	X				
VL42-7(0.5-15				$\times$	$\times$	$\times \times$	X				
VL42-6(0.5-1.5	5)-101512 10.	15-13 0930		$\times$	$\times$	<	X	-			
VL42-5(0.5-1.5				$\times$	$\langle \rangle$	$<$ $\times$	$\times$				
V142-4(0.5-1.0				XX	$\times$	$\times \times$	X				
VL42-3(0.5-1-1	0)-101513 10	-1513 1015	25	XX	< >	$\times$	$\times$		1.1.1.1		-
narownd Time Required (Basiness Days) _1 Day2 Days5 Days7 Day uested Due Date beddhed ByCempany mar the two the two company neutobed ByCempany	Date STOM Date	ys <u>Stankerd</u> 10-15-13	Time 1525 Time	n to Client	Disposel t	Demphily Company	hive for	Months (A fee n	nay be assessed if samples	Lab Courier	n 1 month) TA
Inquished By Company	4 10-1 Date	5-13 16	20 Time	Received By	narc	Company	TTL I	DATE P	Time	Shipped Hand Delivered	
Matrix Key         Matrix Key           - Water         SE - Sediment.           - Water         SO - Soli           - Solid         L - Leschate           - Sludge         Wil – Wipe           - Macollaneous         DW – Winking Watu           - Oil         O – Other	Client Comments						Lab Comments:			UTUNT DAIMARAT	
	-			De	age 163 o	LACE	-				10/30/2019

THE LEADER IN ENVIRONMENTAL TESTING 2417 Bord Street, University Part, 1, 05484 Phone: 708.534.5200 Fax: 708.534.5211 Add		Company: West Address: <u>750</u> Address: Vern				Bill To Contact: Company: Address: Address: Phone:	Contact:SIAVUE Company: Address:			Chain of Custody Record Lab Job #: 500-64981 Chain of Outsdy Number: Page 2- of 2-			
			47-918-			Fax:		J			Temperature °C of Cooler: 3,7		
ent	Land Bullet A	E-Mail:				PO#/Refere	1008				emperature "C of C		
Veston Solutions Inc.	Client Project #	02.1	Preservative Parameter	-								Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4°	
DGT 021-New Avenu Ject Location/State Lemonta IL	Lab Project #						SR			• .		<ol> <li>NaOH, Cool to 4°</li> <li>NaOH/Zn, Cool to 4°</li> <li>NaHSO4</li> </ol>	
M. Doheny-skubic	Lab PM D. WRIG	jn-		00	SVOLS	reterls	rcup/sind					7, Cool to //* 8, None 9, Other	
a Gradina Sampla ID		Sampling Date Time	# of Containers Matrix	NO	SVI	TCL	25 DE	H			-	Comments	
VL42-2 (0.5-1.5	)-101513 10	15-13 1030	25	×	×	×	$\times$	X					
2 V142-1(0.5-1.5 3 V141-4(0.5-1.5 4 V141-4(0.5-1.5 5 V141-3(0-0.5 5 V141-3(0-0.5 7 V141-1(0-0.5 7 V141-1(0-0.5 7 V141-1(0-0.5 7 RR-52(0.5-1.5)	)-10151310-	15-13 1045	25	X	X	X	×	×					
3 VL41-4(0.5-1-5	)-101513 10-	15-3 1100	25	×	$\times$	X	$\times$	X					
VL41-4(0.5-1.5	5)-10151313 10-	15-13 1100	25	×	$\times$	×	X	$\times$	- 24 J.Z.				
5 VL41-3(0-0.5	)-101513 10.	15-13 1115	25	X	X	X	X	X	1.1.1				
VL41-2(0-05	)-101513 10-	15-13 1135	25	X	X	X	$\times$	X					
7 VL41-16-0.5	)-10153 10-	15-13 1145	25	$\times$	×	X	$\times$	$\times$					
+ VE RR-53(0.5	-1.5)-101513 10-	5-13 1210	25	×	×	×	X	X	1				
9 RR-5210.5-15		15-13 1230	25	X	×	×	×	X					
0 RR-51(0-0.5		15-13 255	25	×	X	×	X	V					
narcund Time Required (Business Days) 1 Days5 Days7 Da inquisted Due Data inquisted ByCompany inclusive ByCompany inclusive ByCompany inclusive ByCompany inclusive ByCompany	Stor Date	0-15-2013	Sample Dispo Return	sal to Client Beceived B Received By	N Disr	hosal by Lab	Arch	ive for  	Months (A fee Date $\frac{Date}{Date}$ Date Date//6//3	may be assessed if s	La	longer than 1 month) : Courier	
Matrix Key	Class Cameroid							Lak Que			Hand	Delivered	
Matrix Key W – Wastewater SC – Sodiment I – Witer SO – Soli – Sold L – Leachate – Sludge WI – Wipe S – Miscollaneous DW – Drinking Wa L – OR O – Other – Air	Client Comments							Lab Comments:					
	-				Page 16	4 of 165	1					10/30/20139	



Page 1 of 2 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 III. 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 III. 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

IL 532-2922

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

City: Lemont		State: IL	Zip	Code:		
County: Will			Tow	nship:		
Lat/Long of app	oroximate center o	f site in decimal d	legrees (DD.ddd	dd) to five dec	imal places (e.g.	, 40.67890, -90.12345):
Latitude: 41	.6606563744	ongitude: -88.0	388797086			
(D	ecimal Degrees)	(-De	cimal Degrees)			
Identify how t	the lat/long data w	ere determined:				
GPS	Map Interpola	tion D Photo	Internolation	Survey	Other	
			morpolation			
			morpolation		4	
EPA Site Num	ber(s), if assigned	BOL:		BOW:	-	BOA:
		_			-	BOA:
	perator Inform	ation for Sou				
II. Owner/O	perator Inform Site Owr	ation for Sou	rce Site	BOW:		ite Operator
II. Owner/O	perator Inform Site Owr Illinois Departme	n <b>ation for Sou</b> ner ant of Transportati	rce Site	BOW:	S	ite Operator nent of Transportation
	perator Inform Site Owr Illinois Departme	n <b>ation for Sou</b> ner ant of Transportati	rce Site	BOW:		ite Operator nent of Transportation
II. Owner/O Name: Street Address:	perator Inform Site Owr Illinois Departme	n <b>ation for Sou</b> ner ant of Transportati	rce Site	BOW:	S	ite Operator nent of Transportation
II. Owner/O Name: Street Address: PO Box:	perator Inform Site Owr Illinois Departme	n <b>ation for Sou</b> ner ant of Transportati	rce Site	BOW:	S	ite Operator nent of Transportation
<b>II. Owner/O</b> Name:	perator Inform Site Owr Illinois Departme 201 West Center	nation for Sou her ant of Transportation Court	rce Site	BOW: ame: treet Address: O Box:	S Illinois Departm 201 West Centr	ite Operator nent of Transportation er Court

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 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 III. 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 III. 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 III. 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 Tra	Illinois Department of Transportation							
Street Address:	2300 South Dirksen Park	300 South Dirksen Parkway							
City:	Springfield	State:	<u>IL</u>	Zip Code:	62764				
Phone:	217-785-4246					WEN GOR			
Steven Gobelman, P.	E., L.P.G	_			10	E. Stan			
Printed N	ame:				in the second se	196-000598 Z			
52	X		12/3	24/13		PROFESSION			
Licensed Professio	nal Engineer of onal Geologist Signature		1	Date:	SIL	GEOLOGIST			
					11	E OF ILLINO 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

Sample Date	10/15/2013	VL42-12(0.5-1.5)-101613 10/16/2013	
			Soil Reference
Location ID	VL42-6	VL42-12	Concentrations ^A
Depth	0.5 - 1.5	0.5 - 1.5	
	8.72	8.66	<6.25.>9.0
Laboratory pH (s.u.) VOCs (ug/kg)	0.16	8.66	<0.29,>9.0
Acetone	ND	110	25000
Methyl ethyl ketone	ND	19 J+	17000
	ND	19 5+	17000
SVOCs (ug/kg) Anthracene	25 J	ND	1.20E+07
Benzo(a)anthracene	270	870 J	900 / 1100 / 1800
	250	1000 J	90 / 1300 / 2100
Benzo(a)pyrene	310	1400 J+	900 / 1500 / 2100
Benzo(b)fluoranthene Benzo(g,h,i)perylene	380	1000 J	2300000
Benzo(k)fluoranthene	100		9000
		500 J	46000
bis(2-Ethylhexyl)phthalate	63 J	1300 J	88000
Chrysene	710		
Dibenzo(a,h)anthracene	100	ND	90/200/420
Fluoranthene	200	2000	3100000
Indeno(1.2.3-cd)pyrene		680 J	900/900/1600
Naphthalene, SVOC	21 J	ND 1200 I	1800
Phenanthrene	240	1200 J	210000
Pyrene	370	1800	2300000
Total Metals (mg/kg)	1000	0000 0	0000 / 0100
Aluminum, Total	1600	3300 B	9200 / 9500
Arsenic, Total	2.1	7.3	11.3/13
Barium, Total	20	84	1500
Beryllium, Total Cadmium, Total	0.25 J	0.59 J	22
Cadmium, Total	0.54	1.6	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	231	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 1	0.96 B	5

1 WM/9W/2000/00012012013023/40553/App/C30230

101

#### 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.

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 Shaded values indicate concentration

Shaded values indicate concentration exceeds Reference Concentration

) WW9/W2900/001012013027048558Appe10030

2.0) 2

# **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

Rillh

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

LINKS

Review your project results through

Have a Question?

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

Added 1/8/14

**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 Lab Sample ID: 500-64981-7 Date Collected: 10/15/13 09:30 Matrix: Solid Date Received: 10/16/13 07:00 Percent Solids: 93.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
cetone	<5.4		5.4	2.3	ug/Kg	0		10/23/13 12:29	1	
Senzene	<5.4		5.4	0.74	ug/Kg	a.		10/23/13 12:29	1	
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	D		10/23/13 12:29	1	in the
Bromoform	<5.4		5.4	1.2	ug/Kg	0		10/23/13 12:29	1	
Bromomethane	<5.4		5.4	1.6	ug/Kg	0		10/23/13 12:29	1	-
Carbon disulfide	<5.4		5.4	0.80	ug/Kg	ġ.		10/23/13 12:29	1	
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg	0/		10/23/13 12:29	1	
Chlorobenzene	<5.4		5.4	0.54	ug/Kg	0.		10/23/13 12:29	1	
Chloroethane	<5.4		5.4	1.5	ug/Kg	- Ch		10/23/13 12:29	1	
Chloroform	<5.4		5.4	0.62	ug/Kg	9		10/23/13 12:29	1	
Chloromethane	<5.4		5.4	1.1	ug/Kg	0		10/23/13 12:29	1	
is-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	0		10/23/13 12:29	1	
is-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg	05		10/23/13 12:29	t	
Dibromochloromethane	<5.4		5.4	0.93	ug/Kg	0		10/23/13 12:29	4	
,1-Dichloroethane	<5.4		5,4	0.85	ug/Kg	0		10/23/13 12:29	1	
,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	0-		10/23/13 12:29	t (	
1-Dichloroethene	<5.4		5.4	0.87	ug/Kg	0.		10/23/13 12:29	1	
.2-Dichloropropane	<5.4		5.4	0.82	ug/Kg	0		10/23/13 12:29	1	
,3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg	ó		10/23/13 12:29	1	
thylbenzene	<5.4		5.4	1.1	ug/Kg	0		10/23/13 12:29	1	
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	6		10/23/13 12:29	1	
Aethyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	0		10/23/13 12:29	1	
nethyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	0		10/23/13 12:29	1	
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	ó		10/23/13 12:29	4	
Styrene	<5.4		5.4	0.70	ug/Kg	0		10/23/13 12:29	1	
1.2.2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	0		10/23/13 12:29	1	
etrachloroethene	<5.4		5.4	0.82	ug/Kg	0		10/23/13 12:29	1	
oluene	<5.4		5.4	0.75	ug/Kg	0		10/23/13 12:29	1	
rans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg	0		10/23/13 12:29	1	
rans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg	0		10/23/13 12:29	1	
1.1-Trichloroethane	<5.4		5.4	0.80	ug/Kg	0		10/23/13 12:29		
1.2-Trichloroethane	<5.4		5.4	0.73	ug/Kg	0		10/23/13 12:29	1	
richloroethene	<5.4		5.4	0.89	ug/Kg	-		10/23/13 12:29	1	
/invl chloride	<5.4		5.4	1.1	ug/Kg	ō.		10/23/13 12:29		
(ylenes, Total	<11		11		ug/Kg	p		10/23/13 12:29	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
-Bromofluorobenzene (Surr)	115		70 - 122					10/23/13 12:29	1	
Dibromofluoromethane	107		75 - 120					10/23/13 12:29	1	
,2-Dichloroethane-d4 (Surr)	115		70 - 134					10/23/13 12:29	1	
Foluene-d8 (Surr)	108		75 - 122					10/23/13 12:29	t	
Method: 8270D - Semivolatile	Organic Compou	nds (GC/MS	5)							
Inalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
2,4-Trichlorobenzene	<170		170	38		- 0	10/18/13 17:30	10/24/13 23:26	1	
2-Dichlorobenzene	<170		170	37	ug/Kg	ö	10/18/13 17:30	10/24/13 23:26	1	
,3-Dichlorobenzene	<170		170	36	ug/Kg	œ	10/18/13 17:30	10/24/13 23:26	1	
4-Dichlorobenzene	<170		170	36	ug/Kg	D.	10/18/13 17:30	10/24/13 23:26	1	
2-oxybis[1-chloropropane]	<170		170		ug/Kg	ō	10/18/13 17:30	10/24/13 23:26	1	

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TestAmerica Job ID: 500-64981-1

Client	Camp		esults
Cilent	Sallib	еп	esuits

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

Client Sample ID: VL42-6(0.5-1.5)-101513	Lab Sample ID: 500-64981-7
Date Collected: 10/15/13 09:30	Matrix: Solid
Date Received: 10/16/13 07:00	Percent Solids: 93.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<340		340	97	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
4,6-Trichlorophenol	<340		340	42	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
4-Dichlorophenol	<340		340	100	ug/Kg	ØF	10/18/13 17:30	10/24/13 23:26	t
4-Dimethylphenol	<340		340	110	ug/Kg	Q.	10/18/13 17:30	10/24/13 23:26	1
4-Dinitrophenol	<680		680	170	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
4-Dinitrotoluene	<170		170	52	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
6-Dinitratoluene	<170		170	40	ug/Kg	Q.	10/18/13 17:30	10/24/13 23:26	1
Chloronaphthalene	<170		170	38	ug/Kg	-	10/18/13 17:30	10/24/13 23:26	1
Chlorophenol	<170		170	48	ug/Kg	Ċ.	10/18/13 17:30	10/24/13 23:26	1
Methylnaphthalene	<170		170	44	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
Methylphenol	<170		170	45	ug/Kg	P	10/18/13 17:30	10/24/13 23:26	1
Nitroaniline	<170		170	61	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
Nitrophenol	<340		340	53	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
& 4 Methylphenol	<170		170	64	ug/Kg	o.	10/18/13 17:30	10/24/13 23:26	1
3'- Dichlorobenzidine	<170		170	28	ug/Kg	D	10/18/13 17:30	10/24/13 23:26	1
Nitroaniline	<340		340	65	ug/Kg	¢.	10/18/13 17:30	10/24/13 23:26	1
6-Dinitro-2-methylphenol	<340		340	82	ug/Kg	o	10/18/13 17:30	10/24/13 23:26	1
Bromophenyl phenyl ether	<170		170	38	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
Chloro-3-methylphenol	<340		340	160	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
Chloroaniline	<680		680	100	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
Chlorophenyl phenyl ether	<170		170	53	ug/Kg	a	10/18/13 17:30	10/24/13 23:26	1
Nitroaniline	<340		340	69	ug/Kg	ō	10/18/13 17:30	10/24/13 23:26	1
Nitrophenol	<680		680	180	ug/Kg	ø	10/18/13 17:30	10/24/13 23:26	1
cenaphthene	<34		34	10	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
cenaphthylene	<34		34	7.8	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
nthracene	25	J	34	8.0	ug/Kg	0-	10/18/13 17:30	10/24/13 23:26	1
enzo[a]anthracene	270		34	7.1	ug/Kg		10/18/13 17:30	10/24/13 23:26	1
enzo[a]pyrene	250		34	6.2	ug/Kg	Ū.	10/18/13 17:30	10/24/13 23:26	1
enzo[b]fluoranthene	310		34	6.6	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
enzo[g,h,i]perylene	380		34	11	ug/Kg	c	10/18/13 17:30	10/24/13 23:26	1
enzo[k]fluoranthene	100		34	B.1	ug/Kg	ö.	10/18/13 17:30	10/24/13 23:26	1
s(2-chloroethoxy)methane	<170		170	37	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
s(2-chloroethyl)ether	<170		170	50	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
is(2-ethylhexyl) phthalate	63	J	170	45	ug/Kg	ö.	10/18/13 17:30	10/24/13 23:26	1
utyl benzyl phthalate	<170		170	42		o	10/18/13 17:30	10/24/13 23:26	1
arbazole	<170		170	48	ug/Kg	Q-	10/18/13 17:30	10/24/13 23:26	1
hrysene	710		34	7.6	ug/Kg	O.	10/18/13 17:30	10/24/13 23:26	1
ibenz(a,h)anthracene	100		34	9.4	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
ibenzofuran	<170		170	41	ug/Kg	œ.	10/18/13 17:30	10/24/13 23:26	1
iethyl phthalate	<170		170	56	ug/Kg	æ	10/18/13 17:30	10/24/13 23:26	1
imethyl phthalate	<170		170	42	ug/Kg	Øł.	10/18/13 17:30	10/24/13 23:26	t
-n-butyl phthalate	<170		170	43	ug/Kg	Q.	10/18/13 17:30	10/24/13 23:26	1
i-n-octyl phthalate	<170		170	69	ug/Kg	Ó.	10/18/13 17:30	10/24/13 23:26	1
uoranthene	200		34	14	ug/Kg	Ū-	10/18/13 17:30	10/24/13 23:26	
uorene	<34		34	7.7	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
exachlorobenzene	<68		68	6.7	ug/Kg	o	10/18/13 17:30	10/24/13 23:26	1
exachlorobutadiene	<170		170	44	ug/Kg	œ	10/18/13 17:30	10/24/13 23:26	
exachlorocyclopentadiene	<680		680	160	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
lexachloroethane	<170		170	36	ug/Kg	0P	10/18/13 17:30	10/24/13 23:26	1

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lient: Weston Solutions, Inc roject/Site: IDOT - New Ave			t Sample F				TestAmeri	ca Job ID: 500-	64981-1
lient Sample ID: VL42							Lab Sam	ple ID: 500-6	4981-7
ate Collected: 10/15/13 09:	and the second se								x: Solid
ate Received: 10/16/13 07:								Percent Soli	
Vlethod: 8270D - Semivola Analyte		nds (GC/M Qualifier	S) (Continued) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ndeno[1,2,3-cd]pyrene	130		34	11	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
sophorone	<170		170	38	ug/Kg	o.	10/18/13 17:30	10/24/13 23:26	1
laphthalene	21	J	34	6.5	ug/Kg	P-	10/18/13 17:30	10/24/13 23:26	1
litrobenzene	<34		34	10	ug/Kg	Q:	10/18/13 17:30	10/24/13 23:26	1
I-Nitrosodi-n-propylamine	<170		170	43	ug/Kg	Ċ.	10/18/13 17:30	10/24/13 23:26	1
4-Nitrosodiphenylamine	<170		170	46	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
Pentachlorophenol	<680		680	170	ug/Kg	0	10/18/13 17:30	10/24/13 23:26	1
henanthrene	240		34	14	ug/Kg	th.	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	0	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
P-Fluorobiphenyl	71		25 - 119				10/18/13 17:30	10/24/13 23:26	1
-Fluorophenol	69		25 - 110				10/18/13 17:30	10/24/13 23:26	1
Vitrobenzene-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 (IC									
Analyte	11.12.00	Qualifier	RL	MDL	Sec.	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	JB	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	7	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
ron	<0.20		0.20	0.20	mg/L		10/25/13 08:00	10/26/13 02:06	1
ead	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
Vickel	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	
Method: 6010B - Metals (IC									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010			10/27/13 14:30	10/29/13 03:29	1
Barium	0.15	J	0.50	0.010			10/27/13 14:30	10/29/13 03:29	1
Beryllium	<0.0040		0.0040	0.0040			10/27/13 14:30	10/29/13 03:29	1
Cadmium	<0.0050		0.0050	0.0020			10/27/13 14:30	10/29/13 03:29	1
Chromium	<0.025		0.025	0.010			10/27/13 14:30	10/29/13 03:29	1
Cobalt	<0.025		0.025	0.0050			10/27/13 14:30	10/29/13 03:29	1
Copper	<0.025		0.025	0.010			10/27/13 14:30	10/29/13 03:29	1
ron	1.5		0.20		mg/L		10/27/13 14:30	10/29/13 03:29	1
ead	0.0057		0.0075	0.0050			10/27/13 14:30	10/29/13 03:29	1
Manganese	0.015	1	0.025	0.010			10/27/13 14:30	10/29/13 03:29	1
APR BAR	<0.025		0.025	0.010	ma/L		10/27/13 14:30	10/29/13 03:29	1
vickel									
Vickel Selenium	<0.050		0.050	0.010			10/27/13 14:30	10/29/13 03:29	1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue	- 021	Client	Sample R	esuits			TestAmeri	ca Job ID: 500-(	64981-1
lient Sample ID: VL42-6(0 ate Collected: 10/15/13 09:30 ate Received: 10/16/13 07:00	( )				Lab Sample ID: 500-64981-7 Matrix: Solid				
Method: 6010B - Metals (ICP) - Analyte		tinued) 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	L	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	a	10/17/13 09:45	10/19/13 03:12	1
Antimony	<5.4		5.4	2.2	mg/Kg	Ģ	10/17/13 09:45	10/23/13 17:11	5
Arsenic	2.0	J	2.7	0.53	mg/Kg	0	10/17/13 09:45	10/23/13 17:11	5
Barium	20		2.7	0.29	mg/Kg	ō	10/17/13 09:45	10/23/13 17:11	5
Beryllium	0.25	J	1.1	0.094	mg/Kg	Ø	10/17/13 09:45	10/24/13 13:05	5
Cadmium	0.54		0.54	0.068	mg/Kg	Q8-	10/17/13 09:45	10/23/13 17:11	5
Calcium	190000	В	54	15	mg/Kg	Ø	10/17/13 09:45	10/23/13 17:11	5
Chromium	11		0.54	0.062	mg/Kg	0	10/17/13 09:45	10/19/13 03:12	1
Cobalt	1.5		1.3	0.096	mg/Kg	a	10/17/13 09:45	10/23/13 17:11	5
Copper	13		2.7	0.24	mg/Kg	Q:	10/17/13 09:45	10/23/13 17:11	5
ron	8200		54	22	mg/Kg	Q.	10/17/13 09:45	10/23/13 17:11	5
Lead	29	в	1.3	0.40	mg/Kg	0	10/17/13 09:45	10/24/13 13:05	5
Magnesium	110000	B	27	5.5	mg/Kg	Ŏ.	10/17/13 09:45	10/23/13 17:11	5
Manganese	370	в	2.7	0.15	mg/Kg	Q.	10/17/13 09:45	10/23/13 17:11	5
Nickel	4.9		0.54	0.052	mg/Kg	0	10/17/13 09:45	10/19/13 03:12	1
Potassium	840		27	1.6		Ċ.	10/17/13 09:45	10/19/13 03:12	1
Selenium	<2.7		2.7	0.95	mg/Kg	œ	10/17/13 09:45	10/24/13 13:05	5
Silver	<1.3		1.3	0.097	mg/Kg	Ū.	10/17/13 09:45	10/23/13 17:11	5
Sodium	520		54		mg/Kg	Ó	10/17/13 09:45	10/19/13 03:12	1
Strontium	.57	B ^	0.27	0.011	mg/Kg	0	10/17/13 09:45	10/19/13 03:12	1
Thallium	<2.7		2.7	1.1	mg/Kg	0F	10/17/13 09:45	10/23/13 17:11	5
Vanadium	8.3		1.3	0.20	mg/Kg	Ø.	10/17/13 09:45	10/23/13 17:11	5
Zinç	54	B	5.4	1.1	mg/Kg	0-	10/17/13 09:45	10/24/13 13:05	5
Method: 7470A - Mercury (CVA									
Analyte	1010101	Qualifier	RL	MDL		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 (CVA									
Analyte	Result	Qualifier	RL	MDL		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 So Analyte		Waste (Man Qualifier	ual Cold Vapor	Technic		D	Prepared	Analyzed	Dil Fac
Mercury	89		17		ug/Kg	- <del>a</del>	10/18/13 15:00	10/21/13 10:16	1
								1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
General Chemistry							-		-
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

TestAmerica Chicago

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	Definitions/Glossary
	n Solutions, Inc. TestAmerica Job ID: 500-64981
Project/Site: IE	DOT - New Avenue - 021
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	A MARKET R. COMPANY CO. CONTRACTOR CO.
Qualifier	Qualifier Description
A A A A A A A A A A A A A A A A A A A	Qualifier Description ICV.CCV.ICB.CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related OC exceeds the control limits.
в	Compound was found in the blank and sample.
Ĩ.	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.
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	Ouality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

TEQ Toxicity Equivalent Quotient (Dioxin)

TestAmerica Chicago

TestAmerica Job ID: 500-64981-1

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A	A
Certification	Summary

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

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
llinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
owa	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
Nisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-O	04-30-14

TestAmerica Chicago

10/30/2013

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TestAmerica THE LEADER IN ENVIRONMENTAL 2417 Bond Striver, University Park, II, SO Phome: 708.534.5200 Fax: 708.534		Address: 75 Address: VEW Phone: 84	O E BU	Whak Utions lu N/Kr Ct S 115, IL 60 1000	Con Con Con Con Con Con Con Con	Bil To         [cpilonal]           Contact:         5 RfME           Company:			Chain of Custody Recc Lab Job # 500-6498/ Chain of Custody Number Page 1 of 2			
	500-64981 COC	Fax: 0	11. 118-	-10-22	Fax PO	ll	J.		Temperature *C of Cocler. 3,7			
Weston Solutions Inc.	Cilent Project #	021	Preservative							- 1	Preservative Key HCL, Cool to 4º	
ject Name 1007 021 - New Ave ject Localion/State LLMONT FL	Lab Project #		Parameter			CP S				. 3 4 5 6 7	H2SO4, Cool to 4* HNO3, Cool to 4* NaOH, Cool to 4* NaOH/Zn, Cool to 4* NaHSO4 Cool to 4* None	
M. Doheny-skubic	DWR	ight	50	OCS	JCs	Mutuls TELZ/SALP	-				. Other	
B Semple ID		Sampling Date Time	# of Containers Matrix	3	SVOCS	MU	Hd	0.01		1.1	Comments	
RR-27(0.5-1.5)	-101513 10-	15-13 0815		$\times$	X>	XX	>				adit forma	
VL42-10 (0.5-1,5	)-101513 10-	15-13 0845		$\times$	$\times$	$\times$	X					
VL42-10(0.5-1,5	1)-101513010	-15-13 0845		XX	$\times$	$\prec \times$	X					
VL42-9(0-5-1-	5)-101513 10-	-15-13 0855	25	$\times$	$\langle \rangle$	$< \times$	X					
VL42-960-5-1.5 VL42-B(0.5-1.5 VL42-7(0.5-1.5 VL42-7(0.5-1.5 VL42-6(0.5-1.5	)-10/513 10-	15-13 0902		$\times$	$\times$	$< \times$	X					
VL42-7(0.5-15				$\times$	$\times$	$\times \times$	X					
VL42-6(0.5-1.5	5)-101512 10.	15-13 0930		$\times$	$\times$	<	X	-				
VL42-5(0.5-1.5				$\times$	$\langle \rangle$	$<$ $\times$	$\times$					
V142-4(0.5-1.0				XX	$\times$	$\times \times$	X					
VL42-3(0.5-1-1	0)-101513 10	-1513 1015	25	XX	< >	$\times$	$\times$		1.1.1.1		-	
narownd Time Required (Basiness Days) _1 Day2 Days5 Days7 Day uested Due Date beddhed ByCempany mar the two the two company neutobed ByCempany	Date STOM Date	ys <u>Stankerd</u> 10-15-13	Time 1525 Time	n to Client	Disposel t	Demphily Company	hive for	Months (A fee n	nay be assessed if samples	Lab Courier	n 1 month) TA	
Inquished By Company	4 10-1 Date	5-13 16	20 Time	Received By	narc	Company	TTL I	DATE P	Time	Shipped Hand Delivered		
Matrix Key         Matrix Key           - Water         SE - Sediment.           - Water         SO - Soli           - Solid         L - Leschate           - Sludge         Wil – Wipe           - Macollaneous         DW – Winking Watu           - Oil         O – Other	Client Comments						Lab Comments:			UTENT DAIMARK		
	-			De	age 163 o	LACE	-				10/30/2019	

TestAmer THE LEADER IN ENVIRONMENTA 2417 Bond Street, University Park, IL	AL TESTING	Company: Wist Address: 750	E. Bunl	tons ly cerct.s	NC.	Bill To Contact: Company: Address:	51	(optional) AMUE		- 1		ustody Record
Phone: 708.534.5200 Fax: 708.5			47-918-	-4000		Address:				2age 2-		
		Fax: 0	-1 118-	4073	-	Fax: PO#/Refere	ncal	U		,	femperature °C	of Cooler: 3/)
Neston Solutions Inc.	Client Project #	02.1	Preservative			Trowneidia						Preservative Key 1. HCL, Cool to 4º
iject Name DGT021-New Avenu Ject Location/State Lerwont, IL	Lab Project #		Parameter				572					2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4
M. Doheny-Skubic	Lab PM D. WRIC	ght		S	205	reterls	rcup/sizup					7, Cool to 4* 8, None 9, Other
a Sampla ID Sampla ID		Sampling Date Time	# of Containers Matrix	NON	SVOUS	TCL	J.C.	Hd				Comments
1 V142-2 (0.5-15 2 V142-1 (0.5-15 3 V141-4 (0.5-15 4 V141-4 (0.5-15 5 V141-3 (0-0.5 5 V141-3 (0-0.5 6 V141-3 (0-0.5 7 V141-1 (0-0.5 7 V141-1 (0-0.5 8 V00 RZ-53 (0.5-15)	fame of the second s	15-13 1030	25	X	X	×	X	X				
2 VL42-1(0.5-1.5) 3 VL41-4(0.5-1.5)	1	15-13 1045	25	S	$\widehat{\boldsymbol{\mathbf{x}}}$	X	$\times$	X				
K V141-4(0.5.1.5		15-13 1100	25	X	×	X	X	X	- 24			
5 VL41-3(0-0.5		15-13 1115	25	X	×	X	X	X				
0 VL41-2(00.5	1 1 - 1 - 1 - 1 -	15-13 1135	25	X	X	X	$\times$	$\leq$		_		
7 VL41-10-0.5		15-13 1210	25	$\lesssim$	$\leq$	$\leq$	$\stackrel{\times}{\sim}$	$\leq$				
9 RR-52(0.5.15	~ ~	15-13 1210	25	$\widehat{\prec}$	×	X	X	2		-		1
D RR-51(0-0.5		15-13 255	25	×	X	×	×	X				
rmaround Time Required (Business Days) 1 Day2 Days5 Days7 Da equisted Due Date		18 52.4 deres Other	Sample Dispo	to Cilent		oosal by Lab	Arch	lve for	1	may be assessed if s	samples are reta	ned longer than 1 month)
alingulahed By Company My 2005 y dll : We alingulahed By Contemport	Dote	15-13	1525	Received P	eg.	tot	TA	- 10	Date 275-13	1525		Lab Courier TA
Enquished By Company	Date	1312 1	lime	Fecelved By	1000		company	UNK-	Date	Timo		nd Delivered
Matrix Key         Matrix Key           // - Water         SC - Seliment.           / - Water         SO - Seli           Solid         L - Leachate           Sudge         Wi - Whge           SS - Missolatineous         DW - Drinking Wa           L - Oil         O - Other           - Air         O - Other	Client Comments	-						Lab Comments:				
				91 - A	Page 16	4 of 165						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

Rillh

Authorized for release by: 10/30/2013 3:49:13 PM

LINKS

Review your project results through

Have a Question?

www.testamericainc.com

Visit us at:

The Expert 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 Lab Sample ID; 500-65048-19 Date Collected: 10/16/13 11:40 Matrix: Solid Date Received: 10/16/13 13:10 Percent Solids: 88.7

analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cetone	110		5.6	2.4	ug/Kg	0		10/23/13 16:51	1
lenzene	<5.6		5.6	0.77	ug/Kg	ø		10/23/13 16:51	1
romodichloromethane	<5.6		5.6	0.97	ug/Kg	D		10/23/13 16:51	1
Bromoform	<5.6		5.6	1.3	ug/Kg	0		10/23/13 16:51	1
Iromomethane	<5.6		5.6	1.7	ug/Kg	0		10/23/13 16:51	1
arbon disulfide	<5.6		5.6	0.84	ug/Kg	ġ.		10/23/13 16:51	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	0.		10/23/13 16:51	1
chlorobenzene	<5.6		5.6	0.57	ug/Kg	0.		10/23/13 16:51	1
Chloroethane	<5.6		5.6		ug/Kg	0		10/23/13 16:51	1
chloroform	<5.6		5.6		ug/Kg	9		10/23/13 16:51	1
chloromethane	<5.6	6	5.6		ug/Kg	0		10/23/13 16:51	1
is-1,2-Dichloroethene	<5.6		5.6		ug/Kg	0		10/23/13 16:51	1
is-1,3-Dichloropropene	<5.6		5.6		ug/Kg	05		10/23/13 16:51	
Dibromochloromethane	<5.6		5.6	0.98	10.00	0		10/23/13 16:51	
,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg	0		10/23/13 16:51	
.2-Dichloroethane	<5.6		5.6	0.84	ug/Kg	0-		10/23/13 16:51	
1-Dichloroethene	<5.6		5.6	0.91	ug/Kg	0.		10/23/13 16:51	
.2-Dichloropropane	<5.6		5.6	0.86	ug/Kg	0		10/23/13 16:51	
3-Dichloropropene, Total	<5.6		5.6	0.86	- 10 C	ú.		10/23/13 16:51	
thylbenzene	<5.6		5.6	1.1	ug/Kg	0.		10/23/13 16:51	1
	<5.6		5.6		1000	œ			
Hexanone				1.6		0		10/23/13 16:51	
Nethylene Chloride	~5.6	6. S.	5.6		ug/Kg	0		10/23/13 16:51	4
Aethyl Ethyl Ketone	19		5.6	2.0	ug/Kg	0		10/23/13 16:51	
nethyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	6		10/23/13 16:51	1
Nethyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg	0.		10/23/13 16:51	4
Styrene	<5.6		5.6	0.74	ug/Kg	D-		10/23/13 16:51	1
,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg			10/23/13 16:51	1
etrachloroethene	<5.6		5.6	0.86	ug/Kg	0		10/23/13 16:51	1
oluene	<5.6		5.6	0.79		0-		10/23/13 16:51	1
ans-1,2-Dichloroethene	<5.6		5.6	0.78	100 million (1990)	Q-		10/23/13 16:51	1
ans-1,3-Dichloropropene	<5.6		5.6	1.0		0		10/23/13 16:51	1
,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg	o		10/23/13 16:51	. (
,1,2-Trichloroethane	<5.6		5.6	0.77		0		10/23/13 16:51	1
richloroethene	<5.6		5.6	0.93		-		10/23/13 16:51	1
/inyl chloride	<5.6		5.6	1.2		Ō.		10/23/13 16:51	1
(ylenes, Total	<11		11	0.51	ug/Kg	D.		10/23/13 16:51	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	102		70 - 122					10/23/13 16:51	1
Dibromofluoromethane	100		75 - 120					10/23/13 16:51	1
,2-Dichloroethane-d4 (Surr)	97		70 - 134					10/23/13 16:51	i i
oluene-d8 (Surr)	103		75 - 122					10/23/13 16:51	1
Method: 8270D - Semivolatile						2			Sec. 1
nalyte	and a second sec	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
,2,4-Trichlorobenzene	<7100		7100	1600	1.7.1.7	0	10/22/13 07:33	10/25/13 18:43	10
,2-Dichlorobenzene	<7100		7100	1500	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
3-Dichlorobenzene	<7100		7100	1500	ug/Kg	0-	10/22/13 07:33	10/25/13 18:43	10
In an						0:		10/25/13 18:43	10

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**Client Sample Results** 

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

Client Sample ID: VL42-12(0.5-1.5)-101613	5
Date Collected: 10/16/13 11:40	
Date Received: 10/16/13 13:10	

TestAmerica Job ID: 500-65048-1

#### Lab Sample ID: 500-65048-19 Matrix: Solid Percent Solids: 88,7

nalyte	Result	Qualifier	RL	MDL	Unit	D 0	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<14000		14000	4000	ug/Kg		10/22/13 07:33	10/25/13 18:43	10
4,6-Trichlorophenol	<14000		14000	1800	ug/Kg	σ.	10/22/13 07:33	10/25/13 18:43	10
4-Dichlorophenol	<14000		14000	4300	ug/Kg	¢.	10/22/13 07:33	10/25/13 18:43	10
4-Dimethylphenol	<14000		14000	4400	ug/Kg	Q.	10/22/13 07:33	10/25/13 18:43	10
4-Dinitrophenol	<28000		28000	7200	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
4-Dinitrotoluene	<7100		7100	2200	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
6-Dinitratoluene	<7100		7100	1700	ug/Kg	0.	10/22/13 07:33	10/25/13 18:43	10
Chloronaphthalene	<7100		7100	1600	ug/Kg	CI.	10/22/13 07:33	10/25/13 18:43	10
Chlorophenol	<7100		7100	2000	ug/Kg	0-	10/22/13 07:33	10/25/13 18:43	10
Methylnaphthalene	<7100		7100	1800	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Methylphenol	<7100		7100	1900	ug/Kg	0-	10/22/13 07:33	10/25/13 18:43	10
Nitroaniline	<7100		7100	2500	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Nitrophenol	<14000		14000	2200	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
& 4 Methylphenol	<7100		7100	2700	ug/Kg	ø	10/22/13 07:33	10/25/13 18:43	10
3'-Dichlorobenzidine	<7100		7100	1200	ug/Kg	D	10/22/13 07:33	10/25/13 18:43	10
Nitroaniline	<14000		14000	2700	ug/Kg	¢.	10/22/13 07:33	10/25/13 18:43	10
6-Dinitro-2-methylphenol	<14000		14000	3400	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Bromophenyl phenyl ether	<7100		7100	1600	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Chloro-3-methylphenol	<14000		14000	6800	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Chloroaniline	<28000		28000	4300	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Chlorophenyl phenyl ether	<7100		7100	2200	ug/Kg	p.	10/22/13 07:33	10/25/13 18:43	10
Nitroaniline	<14000		14000	2900	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Nitrophenol	<28000		28000	7600	ug/Kg	Ø	10/22/13 07:33	10/25/13 18:43	10
cenaphthene	<1400		1400	420	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
cenaphthylene	<1400		1400	320	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
nthracene	<1400		1400	330	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
enzo[a]anthracene	870	J	1400	300	ug/Kg	a	10/22/13 07:33	10/25/13 18:43	10
enzo[a]pyrene	1000	J*	1400	260	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
enzo[b]fluoranthene	1400	*	1400	270	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
enzo[g,h,i]perylene	1000	J	1400	480	ug/Kg	α	10/22/13 07:33	10/25/13 18:43	10
enzo[k]fluoranthene	500	J	1400	340	ug/Kg	ġ.	10/22/13 07:33	10/25/13 18:43	10
is(2-chloroethoxy)methane	<7100		7100	1600	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
is(2-chloroethyl)ether	<7100		7100	2100	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
is(2-ethylhexyl) phthalate	<7100		7100	1900	ug/Kg	Ċ.	10/22/13 07:38	10/25/13 18:43	10
utyl benzyl phthalate	<7100		7100	1800	ug/Kg	o	10/22/13 07;33	10/25/13 18:43	10
arbazole	<7100		7100	2000	ug/Kg	Q.	10/22/13 07:33	10/25/13 18:43	10
hrysene	1300	J	1400	320	ug/Kg	O.	10/22/13 07:33	10/25/13 18:43	10
ibenz(a,h)anthracene	<1400		1400	390	ug/Kg	05	10/22/13 07:33	10/25/13 18:43	10
libenzofuran	<7100		7100	1700	ug/Kg	o.	10/22/13 07:33	10/25/13 18:43	10
iethyl phthalate	<7100		7100	2400	ug/Kg	ø	10/22/13 07:33	10/25/13 18:43	10
imethyl phthalate	<7100		7100	1800	ug/Kg	Ø-	10/22/13 07:33	10/25/13 18:43	10
i-n-butyl phthalate	≺7100		7100	1800	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
i-n-octyl phthalate	<7100		7100	2900	ug/Kg	ò.	10/22/13 07:33	10/25/13 18:43	10
luoranthene	2000		1400	580	ug/Kg	D.	10/22/13 07:33	10/25/13 18:43	10
luorene	<1400		1400	320	ug/Kg	0.	10/22/13 07:33	10/25/13 18:43	10
exachlorobenzene	<2800		2800	280	ug/Kg	ò	10/22/13 07:33	10/25/13 18:43	10
exachlorobutadiene	<7100		7100	1800	ug/Kg	o.	10/22/13 07:33	10/25/13 18:43	10
exachlorocyclopentadiene	<28000		28000	6500	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
lexachloroethane	<7100		7100	1500	ug/Kg	0-	10/22/13 07:33	10/25/13 18:43	10

TestAmerica Chicago

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oject/Site: IDOT - New Avenu	ie - 021								
lient Sample ID: VL42-1	2(0.5-1.5)-10161	3					Lab Samp	le ID: 500-65	048-19
ate Collected: 10/16/13 11:40								Matri	x: Solid
ate Received: 10/16/13 13:10								Percent Soli	ds: 88,7
	-								
Method: 8270D - Semivolatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	680	٦	1400	480	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Isophorone	<7100		7100	1600	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Naphthalene	<1400		1400	270	ug/Kg	ØF	10/22/13 07:33	10/25/13 18:43	10
Nitrobenzene	<1400		1400	440	ug/Kg	Q.	10/22/13 07:33	10/25/13 18:43	10
N-Nitrosodi-n-propylamine	<7100		7100	1800	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
N-Nitrosodiphenylamine	<7100		7100	1900	ug/Kg	0	10/22/13 07:33	10/25/13 18:43	10
Pentachlorophenol	<28000		28000	7200	ug/Kg	0	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		ug/Kg	G	10/22/13 07:33	10/25/13 18:43	10
Pyrene	1800		1400	510	ug/Kg	0	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 Analyte Arsenic		Qualifier	RL	MDL 0.010		D	Prepared 10/28/13 08:30	Analyzed 10/29/13 06:07	Dil Fac
	1.2		0.050		mg/L		10/28/13 08:30	10/29/13 06:07	1
Barium Beryllium	<0.0040	D	0,0040	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	1
	0.0077		0.0050	0.0020	mg/L		10/28/13 08:30	10/29/13 06:07	1
Cadmium Chromium	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	
Cobalt	0.0097	6.00	0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 06:07	1
	0.020	J	0.025	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	1
Copper	<0.20	J	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	0.013		0.0075	0.0050	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	<0.051		0.050	0.010	mg/L		10/28/13 08:30	10/29/13 06:07	T
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			10/28/13 08:30	10/29/13 06:07	
witty	0.99		0.10	5.020	. ngr =			,	
Method: 6010B - Metals (ICP)		Quality	2		11-18		Bill Color	Analized	-
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010			10/28/13 08:30	10/29/13 09:32	1
Barium	1.1	в	0.50	0.010			10/28/13 08:30	10/29/13 09:32	1
Beryllium	<0.0040		0.0040	0.0040			10/28/13 08:30	10/29/13 09:32	1
Cadmium	<0.0050		0.0050	0.0020			10/28/13 08:30	10/29/13 09:32	1
Chromium	<0.025		0.025	0.010			10/28/13 08:30	10/29/13 09:32	1
Cobalt	<0.025		0.025	0.0050	the second second		10/28/13 08:30	10/29/13 09:32	1
Copper	<0.025		0.025	0.010			10/28/13 08:30	10/29/13 09:32	1
Iron	0.23		0.20		mg/L		10/28/13 08:30	10/29/13 09:32	1
Lead	<0.0075		0.0075	0.0050			10/28/13 08:30	10/29/13 09:32	1
100000000	0,044		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 09:32	1
And the second sec			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.				and the second second	NAME OF A DOCUMENT	
Manganese Nickel Selenium	<0.025		0.025	0.010			10/28/13 08:30 10/28/13 08:30	10/29/13 09:32 10/29/13 09:32	1

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10/30/2013

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Client: Weston Solutions, Inc. Project/Site: IDOT - New Avenue - 021		Client	Sample F	<b>Kesuits</b>			TestAmeri	ca Job ID: 500-	65048-1
Client Sample ID: VL42-12(0.5- oate Collected: 10/16/13 11:40 oate Received: 10/16/13 13:10	1.5)-10161	3					Lab Samp	le ID: 500-65 Matri	048-19 x: Solid
Method: 6010B - Metals (ICP) - SPL Analyte		tinued) 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	в	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	ā	10/17/13 16:00	10/23/13 00:48	1
Antimony	<5.5		5.5	2.2	mg/Kg	Ģ	10/17/13 16:00	10/24/13 06:58	5
Arsenic	7.3		2.8	0.55	mg/Kg	0	10/17/13 16:00	10/24/13 06:58	5
Barium	84		2.8	0.30	mg/Kg	ō	10/17/13 16:00	10/24/13 06:58	5
Beryllium	0.59	J	1.1	0.098	mg/Kg	ø	10/17/13 16:00	10/24/13 06:58	5
Cadmium	1.8		0.55	0.070	mg/Kg	D8	10/17/13 16:00	10/24/13 06:58	5
Calcium	170000	в	55	15	mg/Kg	Ø	10/17/13 16:00	10/24/13 06:58	5
Chromium	140		0.55	0.064	mg/Kg	Ø.	10/17/13 16:00	10/23/13 00:48	1
Cobalt	3.3		1.4	0.099	mg/Kg	α	10/17/13 16:00	10/24/13 06:58	5
Copper	68		2.8	0.25	mg/Kg	0	10/17/13 16:00	10/24/13 06:58	5
Iron	28000		55	23	mg/Kg	0	10/17/13 16:00	10/24/13 06:58	5
Lead	57		1.4	0.41	mg/Kg	O.	10/17/13 16:00	10/24/13 06:58	5
Magnesium	95000	B	28	5.7	mg/Kg	ö	10/17/13 16:00	10/24/13 06:58	5
Manganese	2600	в	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	0	10/17/13 16:00	10/23/13 00:48	1
Potassium	700		28	1.7	mg/Kg	Ċ,	10/17/13 16:00	10/23/13 00:48	1
Selenium	2.3	J	2.8	0.98	mg/Kg	Œ	10/17/13 16:00	10/24/13 06:58	5
Silver	0.39	J	1.4	0.10	mg/Kg	Ū.	10/17/13 16:00	10/24/13 06:58	5
Sodium	430		55	7.4	mg/Kg	ò	10/17/13 16:00	10/23/13 00:48	1
Strontium	66	B *	0.28	0.011	mg/Kg	o	10/17/13 16:00	10/23/13 00:48	1
Thallium	<2.8		2.8	1.2	mg/Kg	OF.	10/17/13 16:00	10/24/13 06:58	5
Vanadium	53		1.4	0.21	mg/Kg	à	10/17/13 16:00	10/24/13 06:58	5
Zinc	160	в	5.5	1.1	mg/Kg	0-	10/17/13 16:00	10/24/13 06:58	5
Method: 7470A - Mercury (CVAA) -	TCLP								
Analyte		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	JB	0.20	0.020	ug/L		10/29/13 15:00	10/30/13 11:56	1
Method: 7471B - Mercury in Solid o Analyte		Waste (Man Qualifier	ual Cold Vapo RL			D	Draward	Analyzed	Dil Fac
	Result 59	wuanner	18	MDL	ua/Ka	- <del>D</del>	Prepared 10/22/13 15:15	10/23/13 11:23	Dil Pac
Mercury	59		18	8.2	ug/Kg	21	10/22/13 15:15	10/23/13 11:23	1
General Chemistry Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac

TestAmerica Chicago

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	Definitions/Glossary	
Client: West	on Solutions, Inc. TestAmerica Job ID: 500-6	5048-1
Project/Site:	IDOT - New Avenue - 021	
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 Sem	II VOA	
Qualifier	Qualifier Description	
3	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	
×	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 flaqued with a D.	
	ISTD response or retention time outside acceptable limits	
Metals		
Qualifier	Qualifier Description	
В	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.	
6	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. 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.	
0	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	
oc .	Ouality 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)	
TEO	Toxicity Equivalent Ouotient (Dioxin)	

#### TestAmerica Chicago

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TestAmerica Job ID: 500-65048-1

13

Cal	tifiar	tion	Summ	
Cel	TUIICa	шоп	Summ	arv

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

# Laboratory: TestAmerica Chicago

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	
lowa	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	BTMS-O	04-30-14	

TestAmerica Chicago

TestAmer THE LEADER IN ENVIRONMENT/ .2417 Bond Street, University Park, IL. Phone: 705.58	ALT 6048	Company: Wes Address: 150 Address: Ver2v	EBUNI Ion Hills	horns lu Ler ct-si	nc.	Bill To Contact: Company: Address: Address:	3	AME			Lab	of Custoc Job #: _500 In of Custody Number:	19 Hecord 650948
	500-65048 COC		17-918-6			Phone: Fax: PO#/Refere		1	_	_	Pag Tem	e of perature °C of Cooler:	3.6
$\begin{array}{c} \text{art} \\ \text{Welston Solutions Inc.} \\ \text{Welston Solutions Inc.} \\ IDOT 021 - New Avenual operations of the second second$	Lab Project # Lab Project # Lab Proj - 101 (213 10-1 )- 101 (213 10-1 - 101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10-1)) - (101 (213 10	Sampling           Date         Time           104:0         Time           104:13         0805           104:13         0815           104:13         0815           104:13         0845           104:13         0845           104:13         0845           104:13         0845           104:13         0915           107:13         0915           107:13         0925           108:13         0950           10950         55222000000000000000000000000000000000	Sample Dispo	n to Client	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Ha XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Months	(A fee may	bo assessed if sam	2 3 4 5 6 7 7 8 9 9	Preservative Key HC2 Cort to 4* HC2 Cort to 4* HC2 Cort to 4* HC3 Cort to 4* NOR1, Cort to 4* NOR1/Cort to 4* NOR4 NOR5 Cort to 4* NOR6 Cort o 4* Cort o 4
headhad by W tip tip ty	Date Date Date Date	10-16-13	Time 1223	Received By Received By	JE S	4	Sompany Sompany Company	Lab Comments	Date	16/13	Time 1310	Lab Courier Shipped Hand Delivered	TA
- Wastewater SE - Sectiment Water SO - Soli Soli - L - Leschate - Sludge Wi - Wipe - Misseltaneous DW - Drinking Wa - Oil Q - Other Air	ter												

THE LEADER IN ENVIRONMENTAL TESTING 2417 Bond Street, University Park, IL 2004 Phone: 708,534,520 Fac: 708,534,6211	Company: Wes Address: <u>150</u> Address: <u>Ver</u>	E. BUNK	nons lnc. or et ste.soe 1 IL 60061 4000	Address: Phone:	SAME	Cha	Inb #: 500 - 65048 n of Custody Number: a 2 of 2
	Fax:	07/-118	- 405 7	Fax: PO#/Reference#	W.	Tem	perature °C of Cooler:
RR-55 (0.5-1.5)-101613 1 RR-54 (0.5-1.5)-101613 1 VL47-3 (0-1)-101613 1 VL47-3 (0-1)-101613 1 VL47-2 (0.5-1.5)-101613 1 VL47-1 (0.5-1.5)-101613 1 VL47-12 (0.5-1.5)-101613 1	Sampling           Date         Time           Date         Time           D-16-17         1000           -16-17         1015           1-16-13         1040           -16-13         1050           -16-13         1050           -16-13         1050           -16-13         1050           -16-13         1050           -16-13         1050           -16-13         1050           -16-13         1150           -16-13         1140	25	<pre>(XXXXXXX vous) (XXXXXXXX succe)</pre>	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	KXXXXXXX PH		Presentative Koy 1. HOL Cost to 4* 2. HOL Cost to 4* 3. HOLO Cost to 4* 5. HOLO Cost to 4* 5. NOCH2C, Cost to 4* 6. NetHSO4 7. Cost to 4* 8. None 9. Other* Comments
arcound Time Required (Business Days)           1 Day         2 Days         5 Days         7 Days         10 Days         15 Jack           accuration Data	10-16-13 16-13	Sample Dispose Return t Time 1225 Time 13/0	1	eposal by Lab	Cata TA		Lab Courier TA Bittpped Hand Dailvered



Page 1 of 2 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 III. 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 III. 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

IL 532-2922

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

City: Lemont		State:	<u>IL</u>	Zip Code:		
County: Will				Township:		
Lat/Long of app	roximate center o	of site in dec	imal degrees (DI	D.ddddd) to five dec	imal places (e.g	, 40.67890, -90.12345):
Latitude: 41.	663263429 I	Longitude:	-88.032987278			
(De	ecimal Degrees)		(-Decimal Degr	rees)		
Identify how the	ne lat/long data w	vere determi	ined:			
GPS [	Map Interpola	ition 🔲 F	Photo Interpolatio	n 🗌 Survey [	Other	
IEPA Site Numb	er(s), if assigned	BO	L:	BOW:		BOA:
IEPA Site Numb	er(s), if assigned	: BOI	L:	BOW:		BOA:
	perator Inform	nation for	1	BOW:		1000-00 100-00
		nation for	1	BOW:	s	BOA:
II. Owner/Op	perator Inform	nation for ner	Source Site	BOW:		1000-00 100-00
II. Owner/Op Name:	<b>Derator Inform</b> Site Owr	nation for her ent of Transp	Source Site			ite Operator nent of Transportation
	<b>Derator Inform</b> Site Owr Illinois Departme	nation for her ent of Transp	Source Site	Name:	Illinois Departm	ite Operator nent of Transportation
II. Owner/Op Name: Street Address: PO Box:	<b>Derator Inform</b> Site Owr Illinois Departme	nation for her ent of Transp r Court	Source Site	Name: Street Address: PO Box:	Illinois Departm	ite Operator nent of Transportation
II. Owner/Op Name: Street Address:	Derator Inform Site Owr Illinois Departme 201 West Cente	nation for her ent of Transp r Court	portation	Name: Street Address:	Illinois Departm 201 West Cent	tite Operator nent of Transportation er Court

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 LPC 663 Rev. 8/2012 Management Center.

Page 2 of 2

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 Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 III. 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 III. 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 III. 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 III. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil per 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 T	Fransportation
Street Address:	2300 South Dirksen Pa	arkway
City:	Springfield	State: IL Zip Code: 62764
Phone:	217-785-4246	State: 12 Zip Code: 02101
Steven Gobelman, P.	E., L.P.G	- State
Printed N	lame:	196-000598
Sta	1	12/24/13 PROFESSION
Licensed Profesat		Date: GEOLOGIST
Licensed Professio	onal Geologist Signature.	TITE SI
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#### Summary Table of ISGS Site No. 2518-48 Comparison of Detected Constituents to Applicable Reference Concentrations Soil Analytical Results Illinois Department of Transportation FAU 351: 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	
Sample Date	10/16/2013	Soil Reference
Location ID	RM-1	Concentrations
Depth	0.5 - 1.5	Concerto attorits
Parameter	and the second s	
Laboratory pH (s.u.)	8.53	<8.25,>9.0
VOCs (ug/kg)		
Acetone	17	25000
Methyl ethyl ketone	31	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
Сhrysene	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)		- 4- C
Aluminum, Total	3300 B	9200 / 9500
Arsenic, Total	5.7	11.3/13
Barium, Total	34	1500
Beryllium, Total	0.4 1	22
Cadmium, Total	0.73	5.2
Calcium, Total	140000 B	-
Chromium, Total	35 /	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)		1
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.
 A - Instrument related Quality Control (QC) exceeded the control limits.

Shaded values indicate concentration exceeds Reference Concentration. 

X228 244A1 =:84/110111011101A81 =: Mppc XL5X

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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: 500-65048-1 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

Rillh

Authorized for release by: 10/30/2013 3:49:13 PM

LINKS

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Have a Question?

www.testamericainc.com

Visit us at:

The Expert 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.

Added 1/8/14

**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	Lab Sample 1D: 500-65048-4
Date Collected: 10/16/13 08:45	Matrix: Solid
Date Received: 10/16/13 13:10	Percent Solids: 80.0

Method: 8260B - VOC	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000	100				and the second se		53.65
Inalyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17		6.3		ug/Kg			10/21/13 18:02	1
Benzene	<6.3		6.3	0.86		ø		10/21/13 18:02	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	D		10/21/13 18:02	1
Bromoform	<6.3		6.3		ug/Kg	p/		10/21/13 18:02	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	0		10/21/13 18:02	1
Sarbon disulfide	<6.3		6.3		ug/Kg	ġ.		10/21/13 18:02	1
Carbon tetrachloride	<6.3		6.3		ug/Kg	0		10/21/13 18:02	1
Chlorobenzene	<6.3		6.3		ug/Kg	0.		10/21/13 18:02	1
Chloroethane	<6.3		6.3		ug/Kg	0		10/21/13 18:02	1
Chloroform	<6.3		6.3		ug/Kg	9		10/21/13 18:02	1
Chloromethane	<6.3		6.3		ug/Kg	0		10/21/13 18:02	1
cis-1,2-Dichloroethene	<6.3		6.3		ug/Kg	0		10/21/13 18:02	
sis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	0-		10/21/13 18:02	1
Dibromochloromethane	<6.3		6.3	1.1		0		10/21/13 18:02	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	0		10/21/13 18:02	1
1.2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	0-		10/21/13 18:02	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	0		10/21/13 18:02	1
1.2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	0		10/21/13 18:02	1
,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	ġ.		10/21/13 18:02	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	Q.		10/21/13 18:02	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	œ.		10/21/13 18:02	1
Methylene Chloride	~6.3		6.3	1.7	ug/Kg	D:		10/21/13 18:02	1
Methyl Ethyl Ketone	3.0	J	6.3	2.3	ug/Kg	0		10/21/13 18:02	1
nethyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	0		10/21/13 18:02	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	Ó		10/21/13 18:02	4
Styrene	<6.3		6.3	0.82	ug/Kg	0.		10/21/13 18:02	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	D		10/21/13 18:02	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	D		10/21/13 18:02	1
foluene	<6.3		6.3	0.88	ug/Kg	0		10/21/13 18:02	
rans-1,2-Dichloroethene	<6.3		6.3	0.86	ug/Kg	0		10/21/13 18:02	1
rans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	0		10/21/13 18:02	1
1,1,1-Trichloroethane	<6.3		6.3	0.93	ug/Kg	Ċ.		10/21/13 18:02	
1, 1, 2-Trichloroethane	<6.3		6.3	0.85	ug/Kg	p.		10/21/13 18:02	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	-		10/21/13 18:02	1
/inyl chloride	<6.3		6,3		ug/Kg	Ö.		10/21/13 18:02	
(ylenes, Total	<13		13	0.57	ug/Kg	Ø.		10/21/13 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
4-Bromofluorobenzene (Surr)	76		70 - 122					10/21/13 18:02	7
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 Compou	inds (GC/MS	)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
,2,4-Trichlorobenzene	<1000		1000	230	ug/Kg	- D	10/22/13 07:33	10/25/13 05:30	5
,2-Dichlorobenzene	<1000		1000	220	ug/Kg	ō.	10/22/13 07:33	10/25/13 05:30	5
,3-Dichlorobenzene	<1000		1000	210	ug/Kg	œ	10/22/13 07:33	10/25/13 05:30	5
1,4-Dichlorobenzene	<1000		1000	210	ug/Kg	0:	10/22/13 07:33	10/25/13 05:30	5
2,2'-oxybis[1-chloropropane]	<1000		1000		ug/Kg	ō	10/22/13 07:33	10/25/13 05:30	5

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TestAmerica Job ID: 500-65048-1

Lab Sample ID: 500-65048-4

Matrix: Solid Percent Solids: 80.0

OIL	C	1 - P	A	
Client	Samp	е ь	Results	

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

Client Sample ID: RM-1(0.5-1.5)-101613	
Date Collected: 10/16/13 08:45	
Date Received: 10/16/13 13:10	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,5-Trichlorophenol	<2000		2000	580	ug/Kg	ō	10/22/13 07:33	10/25/13 05:30	5
4,6-Trichlorophenol	<2000		2000	260	ug/Kg	O.	10/22/13 07:33	10/25/13 05:30	5
4-Dichlorophenol	<2000		2000	620	ug/Kg	p-	10/22/13 07:33	10/25/13 05:30	5
4-Dimethylphenol	<2000		2000	640	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
4-Dinitrophenol	<4100		4100	1000	ug/Kg	Ċ-	10/22/13 07:33	10/25/13 05:30	5
4-Dinitrotoluene	<1000		1000	310	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
6-Dinitrotoluene	<1000		1000	240	ug/Kg	0.	10/22/13 07:33	10/25/13 05:30	5
-Chloronaphthalene	<1000		1000	230	ug/Kg	- 13	10/22/13 07:33	10/25/13 05:30	5
Chlorophenol	<1000		1000	290	ug/Kg	Ú-	10/22/13 07:33	10/25/13 05:30	5
Methylnaphthalene	<1000		1000	260	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
Methylphenol	<1000		1000	270	ug/Kg	p-	10/22/13 07:33	10/25/13 05:30	5
Nitroaniline	<1000		1000	370	ug/Kg	Ö.	10/22/13 07:33	10/25/13 05:30	5
Nitrophenol	<2000		2000	320	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
& 4 Methylphenol	<1000		1000	390	ug/Kg	o.	10/22/13 07:33	10/25/13 05:30	5
3'-Dichlorobenzidine	<1000		1000	170	ug/Kg	D	10/22/13 07:33	10/25/13 05:30	5
Nitroaniline	<2000		2000	390	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
6-Dinitro-2-methylphenol	<2000		2000	500	ug/Kg	o.	10/22/13 07:33	10/25/13 05:30	5
Bromophenyl phenyl ether	<1000		1000	230		0	10/22/13 07:33	10/25/13 05:30	5
Chloro-3-methylphenol	<2000		2000	980	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
Chloroaniline	<4100		4100	620	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
Chlorophenyl phenyl ether	<1000		1000	320	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
Nitroaniline	<2000		2000	420	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
Nitrophenol	<4100		4100	1100	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
cenaphthene	<200		200	61	101.0	0	10/22/13 07:33	10/25/13 05:30	5
cenaphthylene	<200		200	47		0	10/22/13 07:33	10/25/13 05:30	5
nthracene	<200		200	48	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
enzo[a]anthracene	160	J	200	43			10/22/13 07:33	10/25/13 05:30	5
enzo[a]pyrene	170		200	37	ug/Kg	Ö.	10/22/13 07:33	10/25/13 05:30	5
enzo[b]fluoranthene	200		200	40	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
enzo[g,h,i]perylene	210		200	69	ug/Kg	a	10/22/13 07:33	10/25/13 05:30	5
enzo[k]fluoranthene	120	J	200	49	ug/Kg	ġ.	10/22/13 07:33	10/25/13 05:30	5
s(2-chloroethoxy)methane	<1000	3	1000	230	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
s(2-chloroethyl)ether	<1000		1000	300	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
is(2-ethylhexyl) phthalate	<1000		1000	270	ug/Kg	6	10/22/13 07:33	10/25/13 05:30	5
s(z-etnymexy) primalate utyl benzyl phthalate	<1000		1000	260	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
arbazole	<1000		1000	200		0	10/22/13 07:33	10/25/13 05:30	5
hrysene	220		200	46		O.	10/22/13 07:33	10/25/13 05:30	5
ibenz(a,h)anthracene	<200		200	40	ug/Kg	0-	10/22/13 07:33	10/25/13 05:30	5
ibenz(a,n)anthracene	<1000		1000	250	ug/Kg	œ.	10/22/13 07:33	10/25/13 05:30	5
iethyl phthalate	<1000		1000	340	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
methyl phthalate	<1000		1000	260	ug/Kg	Q-	10/22/13 07:33	10/25/13 05:30	5
-n-butyl phthalate	<1000		1000	260	ug/Kg ug/Kg	ō.	10/22/13 07:33	10/25/13 05:30	5
-n-octyl phthalate	<1000		1000	410	ug/Kg ug/Kg	o.	10/22/13 07:33	10/25/13 05:30	5
			200	84	ug/Kg	0-	10/22/13 07:33	10/25/13 05:30	5
uoranthene	200 <200		200			0	10/22/13 07:33		5
luorene exachlorobenzene	<200		410	46 40	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
					ug/Kg	o			5
exachlorobutadiene	<1000		1000	270	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
exachlorocyclopentadiene exachloroethane	<4100		4100	950 220	ug/Kg ug/Kg	0	10/22/13 07:33	10/25/13 05:30 10/25/13 05:30	5

TestAmerica Chicago

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenu	ie - 021		t Sample F				TestAmeri	ca Job ID: 500-	65048-1
lient Sample ID: RM-1(0	.5-1.5)-101613						Lab Sam	ple ID: 500-6	5048-4
ate Collected: 10/16/13 08:45								Matri	x: Solid
ate Received: 10/16/13 13:10								Percent Soli	ds: 80.0
Martha di 00700 Cambustatili		and a local							
Method: 8270D - Semivolatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	110	J	200	69	ug/Kg	ō	10/22/13 07:33	10/25/13 05:30	5
Isophorone	<1000		1000	230	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
Naphthalene	<200		200	39	ug/Kg	Øł.	10/22/13 07:33	10/25/13 05:30	5
Nitrobenzene	<200		200	63	ug/Kg	Q.	10/22/13 07:33	10/25/13 05:30	5
N-Nitrosodi-n-propylamine	<1000		1000	260	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
N-Nitrosodiphenylamine	<1000		1000	280	ug/Kg	0	10/22/13 07:33	10/25/13 05:30	5
Pentachlorophenol	<4100		4100	1000	ug/Kg	0	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	Ū.	10/22/13 07:33	10/25/13 05:30	5
Pyrene	200		200	74	ug/Kg	0	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 Analyte		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	в	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			10/28/13 08:30	10/29/13 04:18	1
Nickel	0.056		0.025				10/28/13 08:30	10/29/13 04:18	1
Selenium	<0.050		0,050	0.010			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	
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	t
Barium	0.97	В	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
tron	0.99		0.20	0.20	mg/L		10/28/13 08:30	10/29/13 07:28	1
	0.0053	J	0.0075	0.0050	mg/L		10/28/13 08:30	10/29/13 07:28	1
Lead	0.0051								
Lead Manganese	<0.025		0.025	0.010	mg/L		10/28/13 08:30	10/29/13 07:28	1
							10/28/13 08:30 10/28/13 08:30	10/29/13 07:28 10/29/13 07:28	1

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10/30/2013

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue	- 021	onem	t Sample F	courts			TestAmeri	ca Job ID: 500-	65048-1
lient Sample ID: RM-1(0.5 ate Collected: 10/16/13 08:45 ate Received: 10/16/13 13:10	-1.5)-101613						Lab Sam	ple ID: 500-6 Matri	5048-4 ix: Solid
Method: 6010B - Metals (ICP) - Analyte	and the second se	tinued) 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	в	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	В	12	1.1	mg/Kg	a	10/17/13 16:00	10/22/13 22:45	1
Antimony	<6.0		6.0	2.4	mg/Kg	Ģ	10/17/13 16:00	10/24/13 05:08	5
Arsenic	5.7		3.0	0.60	mg/Kg	0	10/17/13 16:00	10/24/13 05:08	5
Barium	34		3,0	0.32	mg/Kg	ō	10/17/13 16:00	10/24/13 05:08	5
Seryllium	0.40	1	1.2	0.11	mg/Kg	Ø	10/17/13 16:00	10/24/13 05:08	5
admium	0.73		0.60	0.076	mg/Kg	D.	10/17/13 16:00	10/24/13 05:08	5
alcium	140000	В	60	16	mg/Kg	Ø	10/17/13 16:00	10/24/13 05:08	5
hromium	35		0.60	0.070	mg/Kg	0	10/17/13 16:00	10/22/13 22:45	1
obalt	4.7		1.5	0.11	mg/Kg	a	10/17/13 16:00	10/24/13 05:08	5
opper	24		3.0	0.27	mg/Kg	0	10/17/13 16:00	10/24/13 05:08	5
non	13000		60	25	mg/Kg	0	10/17/13 16:00	10/24/13 05:08	5
ead	60		1.5	0.45	mg/Kg	CF.	10/17/13 16:00	10/24/13 05:08	5
lagnesium	82000	в	30	6.2	mg/Kg	ö	10/17/13 16:00	10/24/13 05:08	5
Aanganese	840	в	3.0	0.16		0	10/17/13 16:00	10/24/13 05:08	5
lickel	12	в	3.0	0.29	mg/Kg		10/17/13 16:00	10/24/13 05:08	5
otassium	900		30	1.8	mg/Kg	o o	10/17/13 16:00	10/22/13 22:45	1
Selenium	<3.0		3.0	11	mg/Kg	0	10/17/13 16:00	10/24/13 05:08	5
Silver	<1.5		1.5	0.11	mg/Kg	à	10/17/13 16:00	10/24/13 05:08	5
odium	260	B *	60 0.30	0.012	mg/Kg	0	10/17/13 16:00	10/22/13 22:45 10/22/13 22:45	1
Strontium Thallium	45 <3.0	B."	3.0	1.3	mg/Kg mg/Kg	Ø.	10/17/13 16:00	10/22/13 22:45	5
namum /anadium	<3.0		1.5	0.22	mg/Kg	ġ.	10/17/13 16:00	10/24/13 05:08	5
linc	82	в	6.0	1.2		0	10/17/13 16:00	10/24/13 05:08	5
Method: 7470A - Mercury (CVA Analyte		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
Anthod: 7470A Marguny (C)/A	A) SDID Ford								
Wethod: 7470A - Mercury (CVA Analyte	A) - SPLP East Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aercury	0.050	JB	0.20	0.020			10/29/13 15:00	10/30/13 11:19	1
Method: 7471B - Mercury in So		and the second se					Description	Analyzed	-
Analyte	Result	Qualifier	RL	MDL	Unit	- D	Prepared	Analyzed	Dil Fac
Mercury	31		19	8.7	ug/Kg	Çi.	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

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**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	Lab Sample 1D: 500-65048-5
Date Collected: 10/16/13 08:45	Matrix: Solid
Date Received: 10/16/13 13:10	Percent Solids: 85.2

Method: 8260B - VOC	1.1.1.1	1.1			1.1.1				Sale.
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	29		5.9		ug/Kg	0		10/21/13 18:25	1
Benzene	<5.9		5.9		ug/Kg	o D		10/21/13 18:25	1
Bromodichloromethane	<5.9		5.9	1.0				10/21/13 18:25	1
Bromoform	<5.9		5.9		ug/Kg	a		10/21/13 18:25	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	0		10/21/13 18:25	1
Carbon disulfide	<5.9		5.9		ug/Kg	ġ.		10/21/13 18:25	
Carbon tetrachloride	<5.9		5.9		ug/Kg	0.		10/21/13 18:25	1
Chlorobenzene	<5.9		5.9	0.60		0.		10/21/13 18:25	1
Chloroethane	<5.9		5.9		ug/Kg	0		10/21/13 18:25	1
Chloroform	<5.9		5.9	0.68	ug/Kg	9		10/21/13 18:25	1
Chloromethane	<5.9		5.9		ug/Kg	0		10/21/13 18:25	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83		D.		10/21/13 18:25	
sis-1,3-Dichloropropene	<5.9		5.9		ug/Kg	0-		10/21/13 18:25	1
Dibromochloromethane	<5.9		5.9		ug/Kg	0		10/21/13 18:25	1
1,1-Dichloroethane	<5.9		5.9	0,93	1.7.	0		10/21/13 18:25	1
1.2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	0-		10/21/13 18:25	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	0		10/21/13 18:25	4
1.2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	0		10/21/13 18:25	1
,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	ů.		10/21/13 18:25	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	0.		10/21/13 18:25	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	Q.		10/21/13 18:25	
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	D:		10/21/13 18:25	4
Methyl Ethyl Ketone	5.5	J	5.9	2.1	ug/Kg	0		10/21/13 18:25	1
nethyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	0		10/21/13 18:25	
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	Ó		10/21/13 18:25	3
Styrene	<5.9		5.9	0.77	ug/Kg	0		10/21/13 18:25	
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	D		10/21/13 18:25	1
letrachloroethene	<5.9		5.9	0.90	ug/Kg	D.		10/21/13 18:25	1
foluene	<5.9		5.9	0.82	ug/Kg	0-		10/21/13 18:25	
rans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	0		10/21/13 18:25	
rans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	0		10/21/13 18:25	
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	o.		10/21/13 18:25	
1,1,2-Trichloroethane	<5.9		5.9	0.80		o		10/21/13 18:25	1.1
Trichlaroethene	<5.9		5.9		ug/Kg			10/21/13 18:25	
/inyl chloride	<5.9		5.9		ug/Kg	Ō.		10/21/13 18:25	
(ylenes, Total	<12		12		ug/Kg	p		10/21/13 18:25	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
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	
Toluene-d8 (Surr)	91		75 - 122					10/21/13 18:25	1
Method: 8270D - Semivolatile									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
,2,4-Trichlorobenzene	<930		930	210	ug/Kg	Ø	10/22/13 07:33	10/25/13 15:24	4
,2-Dichlorobenzene	<930		930	200	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	e
,3-Dichlorobenzene	<930		930	200	ug/Kg	0-	10/22/13 07:33	10/25/13 15:24	5
1,4-Dichlorobenzene	<930		930	200	ug/Kg	D:	10/22/13 07:33	10/25/13 15:24	5
2,2'-oxybis[1-chloropropane]	<930		930	210	ug/Kg	ō	10/22/13 07:33	10/25/13 15:24	5

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TestAmerica Job ID: 500-65048-1

A			100 million 100
Client	Samp	le Re	esults

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

Client Sample ID: RM-1(0.5-1.5)-101613D	Lab Sample ID: 500-65048-
Date Collected: 10/16/13 08:45	Matrix: Solid
Date Received: 10/16/13 13:10	Percent Solids: 85.3

Method. 62700 - Settinyolatin	e organie oempou	inda (oonno)	continued							
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac	
2,4,5-Trichlorophenol	<1800		1800	530	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
2,4,6-Trichlorophenol	<1800		1800	230	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
2,4-Dichlorophenol	<1800		1800	570	ug/Kg	Ø-	10/22/13 07:33	10/25/13 15:24	5	100
2,4-Dimethylphenol	<1800		1800	580	ug/Kg	Q.	10/22/13 07:33	10/25/13 15:24	5	7
2,4-Dinitrophenol	<3800		3800	950	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
2,4-Dinitrotoluene	<930		930	280	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
2,6-Dinitrotoluene	<930		930	220	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
2-Chloronaphthalene	<930		930	210	ug/Kg	a.	10/22/13 07:33	10/25/13 15:24	5	
2-Chlorophenol	<930		930	270	ug/Kg	C-	10/22/13 07:33	10/25/13 15:24	5	
2-Methylnaphthalene	<930		930	240	ug/Kg	0-	10/22/13 07:33	10/25/13 15:24	5	
2-Methylphenol	<930		930	250	ug/Kg	D.	10/22/13 07:33	10/25/13 15:24	5	
2-Nitroaniline	<930		930	330	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
2-Nitrophenol	<1800		1800	290	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
3 & 4 Methylphenol	<930		930	350	ug/Kg	ø	10/22/13 07:33	10/25/13 15:24	5	
3,3'-Dichlorobenzidine	<930		930	160	ug/Kg	D	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	0	10/22/13 07:33	10/25/13 15:24	5	
4-Bromophenyl phenyl ether	<930		930	210	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
4-Chloro-3-methylphenol	<1800		1800	890	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
4-Chloroaniline	<3800		3800	570	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
4-Chlorophenyl phenyl ether	<930		930	290	ug/Kg	ņ	10/22/13 07:33	10/25/13 15:24	5	
4-Nitroaniline	<1800		1800	380	ug/Kg	ō.	10/22/13 07:33	10/25/13 15:24	5	
4-Nitrophenol	<3800		3800	1000	ug/Kg	ø	10/22/13 07:33	10/25/13 15:24	5	
Acenaphthene	<180		180	56	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Acenaphthylene	<180		180	43	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Anthracene	<180		180	44	ug/Kg	0	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	Ö.	10/22/13 07:33	10/25/13 15:24	5	
Benzo[b]fluoranthene	170	J+	180	36	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Benzo[g,h,i]perylene	91	J	180	63	ug/Kg	α	10/22/13 07:33	10/25/13 15:24	5	
Benzo[k]fluoranthene	110	J	180	44	ug/Kg	ġ.	10/22/13 07:33	10/25/13 15:24	5	
Bis(2-chloroethoxy)methane	<930		930	210	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Bis(2-chloroethyl)ether	<930		930	280	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Bis(2-ethylhexyl) phthalate	<930		930	250	ug/Kg	8	10/22/13 07:33	10/25/13 15:24	5	
Butyl benzyl phthalate	<930		930	230	ug/Kg	0	10/22/13 07;33	10/25/13 15:24	5	
Carbazole	<930		930	260	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Chrysene	150	J	180	42	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Dibenz(a,h)anthracene	<180		180	52	ug/Kg	05	10/22/13 07:33	10/25/13 15:24	5	
Dibenzofuran	<930		930	220	ug/Kg	ō.	10/22/13 07:33	10/25/13 15:24	5	
Diethyl phthalate	<930		930	310	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Dimethyl phthalate	<930		930	230	ug/Kg	Q+	10/22/13 07:33	10/25/13 15:24	5	
Di-n-butyl phthalate	<930		930	230	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Di-n-octyl phthalate	<930		930	380	ug/Kg	Ö.	10/22/13 07:33	10/25/13 15:24	5	
Fluoranthene	210		180	76	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Fluorene	<180		180	42	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Hexachlorobenzene	<380		380	37	ug/Kg	ò	10/22/13 07:33	10/25/13 15:24	5	
Hexachlorobutadiene	<930		930	240	ug/Kg	œ	10/22/13 07:33	10/25/13 15:24	5	
Hexachlorocyclopentadiene	<3800		3800	860	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5	
Hexachloroethane	<930		930	200	ug/Kg	a-	10/22/13 07:33	10/25/13 15:24	5	

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oject/Site: IDOT - New Avenue	e - 021						TestAmeri	ca Job ID: 500-6	65048-1
lient Sample ID: RM-1(0.	.5-1.5)-101613D	0					Lab Sam	ple ID: 500-6	5048-5
ate Collected: 10/16/13 08:45								Matri	x: Solid
ate Received: 10/16/13 13:10								Percent Soli	ds: 85.2
Method: 8270D - Semivolatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	110	J	180	63	ug/Kg	ō	10/22/13 07:33	10/25/13 15:24	5
Isophorone	<930		930	210	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5
Naphthalene	<180		180	36	ug/Kg	RF-	10/22/13 07:33	10/25/13 15:24	5
Nitrobenzene	<180		180	58	ug/Kg	Qr.	10/22/13 07:33	10/25/13 15:24	5
N-Nitrosodi-n-propylamine	<930		930	240	ug/Kg	Ċ-	10/22/13 07:33	10/25/13 15:24	5
N-Nitrosodiphenylamine	<930		930	250	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5
Pentachlorophenol	<3800		3800	950	ug/Kg	0	10/22/13 07:33	10/25/13 15:24	5
Phenanthrene	110	J	180	78	ug/Kg	4	10/22/13 07:33	10/25/13 15:24	5
Phenol	<930		930	290	ug/Kg	Ū.	10/22/13 07:33	10/25/13 15:24	5
Pyrene	180		180	67	ug/Kg	0	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) Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	C	0.050	0.010			10/28/13 08:30	10/29/13 04:24	1
Barium	0.81	В	0.50	0.010			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		0.025	0.0050	mg/L		10/28/13 08:30	10/29/13 04:24	1
Copper	0.016	1	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			10/28/13 08:30	10/29/13 04:24	1
Nickel Selenium	0.052		0.025	0.010	10.0		10/28/13 08:30	10/29/13 04:24 10/29/13 04:24	1
Selenium Silver	<0.025		0.050	0.010			10/28/13 08:30	10/29/13 04:24	1
	<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	ingr.		10/20/13 00:30	10/20/10 04:24	
Method: 6010B - Metals (ICP)		1.1	1.2				2000 C	1.000	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
	<0.050	-	0.050	0.010			10/28/13 08:30	10/29/13 07:34	1
	1.1	В	0.50	0.010			10/28/13 08:30	10/29/13 07:34	1
Barium			0.0040	0.0040			10/28/13 08:30	10/29/13 07:34	1
Barium Beryllium	<0.0040			0.0020	mg/L		10/28/13 08:30	10/29/13 07:34	1
Barlum Beryllium Cadmium	<0.0050		0.0050				In marile an an		
Barium Beryllium Cadmium Chromium	<0.0050 <0.025		0.025	0.010			10/28/13 08:30	10/29/13 07:34	1
Barium Beryllium Cadmium Chromium Cobalt	<0.0050 <0.025 <0.025		0.025 0.025	0.010 0.0050	mg/L		10/28/13 08:30	10/29/13 07:34 10/29/13 07:34	1
Barium Beryllium Cadmium Chromium Cobalt Copper	<0.0050 <0.025 <0.025 <0.025		0.025 0.025 0.025	0.010 0.0050 0.010	mg/L mg/L		10/28/13 08:30 10/28/13 08:30	10/29/13 07:34 10/29/13 07:34 10/29/13 07:34	1 1 1
Barium Beryllium Cadmium Chromium Cobalt Copper Iron	<0.0050 <0.026 <0.026 <0.025 <0.025 0.47		0.025 0.025 0.025 0.25	0.010 0.0050 0.010 0.20	mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/29/13 07:34 10/29/13 07:34 10/29/13 07:34 10/29/13 07:34	1 1 1 1
Barium Beryllium Cadmium Cobalt Copper Iron Lead	<0.0050 <0.026 <0.025 <0.025 0.47 <0.0075		0.025 0.025 0.025 0.20 0.20	0.010 0.0050 0.010 0.20 0.0050	mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/29/13 07:34 10/29/13 07:34 10/29/13 07:34 10/29/13 07:34 10/29/13 07:34	1 1 1 1
Arsenic Barium Beryllium Cadmium Cobalt Copper Iron Lead Manganese Nickel	<0.0050 <0.026 <0.026 <0.025 <0.025 0.47		0.025 0.025 0.025 0.25	0.010 0.0050 0.010 0.20	mg/L mg/L mg/L mg/L mg/L		10/28/13 08:30 10/28/13 08:30 10/28/13 08:30	10/29/13 07:34 10/29/13 07:34 10/29/13 07:34 10/29/13 07:34	1 1 1 1

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lient: Weston Solutions, Inc. roject/Site: IDOT - New Avenue - 021		Client	Sample F	kesults			TestAmeri	ca Job ID: 500-	65048-1
lient Sample ID: RM-1(0.5-1.5)-1 ate Collected: 10/16/13 08:45 ate Received: 10/16/13 13:10	016130	6					Lab Sam	ple ID: 500-6 Matri	5048-5 x: Solid
Method: 6010B - Metals (ICP) - SPLP E Analyte		tinued) 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	в	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	В	11	1.1		a	10/17/13 16:00	10/22/13 22:51	1
Antimony	<1.1		1.1	0.46		Ģ	10/17/13 16:00	10/22/13 22:51	1
Arsenic	4.9		0.57	0.11	mg/Kg	0	10/17/13 16:00	10/22/13 22:51	1
Barium	23		0,57	0.061	mg/Kg	õ	10/17/13 16:00	10/22/13 22:51	1
Beryllium	0.31		0.23	0.020	mg/Kg	Ø	10/17/13 16:00	10/22/13 22:51	1
Cadmium	0.35		0.11		mg/Kg	D.	10/17/13 16:00	10/22/13 22:51	1
Calcium	120000	В	110	31	mg/Kg	Ø.	10/17/13 16:00	10/24/13 05:14	10
Chromium	10		0.57		mg/Kg	0	10/17/13 16:00	10/22/13 22:51	1
Cobalt	3.8	в	0.29	0.020	mg/Kg	a	10/17/13 16:00	10/22/13 22:51	1
Copper	18		0.57	0.051	mg/Kg	Q.	10/17/13 16:00	10/22/13 22:51	1
ron	9100		-11		mg/Kg	Q.	10/17/13 16:00	10/22/13 22:51	1
Lead	44		0.29		mg/Kg	O.	10/17/13 16:00	10/22/13 22:51	1
Magnesium	51000	в	5.7		mg/Kg	ö	10/17/13 16:00	10/22/13 22:51	1
Manganese	350	В	0.57	0.031	mg/Kg	0	10/17/13 16:00	10/22/13 22:51	1
Nickel	9.5		0.57	0.056	mg/Kg	0.	10/17/13 16:00	10/22/13 22:51	1
Potassium	900		29	1.7		ă.	10/17/13 16:00	10/22/13 22:51	1
Selenium	<0.57	12	0.57	0.20	mg/Kg	O.	10/17/13 16:00	10/22/13 22:51	1
Silver	0.025	JB	0.29	0.021	mg/Kg	ò	10/17/13 16:00	10/22/13 22:51	1
Sodium	230	-	57		mg/Kg	0	10/17/13 16:00	10/22/13 22:51	1
Strontium	35	B ^	0.29	0.011	mg/Kg	Q.	10/17/13 16:00	10/22/13 22:51	1
Thallium	<0.57		0.57	0.24	mg/Kg	ĊF ČF	10/17/13 16:00	10/22/13 22:51 10/22/13 22:51	1
Vanadium	12				mg/Kg	C-	10/17/13 16:00		1
Zinc	.54	D	11	0.23	mg/Kg	v	10/17/13 16:00	10/22/13 22:51	1
Method: 7470A - Mercury (CVAA) - TC Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20	wounter	0.20	0.020	ug/L		10/29/13 15:00	10/30/13 10:19	Di Fac
Method: 7470A - Mercury (CVAA) - SP Analyte	LP East Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	JB	0.20	0.020			10/29/13 15:00	10/30/13 11:21	1
			10.111	-					
Method: 7471B - Mercury in Solid or S Analyte		Waste (Man Qualifier	ual Cold Vapo RL	r Technie MDL		D	Prepared	Analyzed	Dil Fac
Mercury	34		19		ug/Kg	- 7	10/22/13 15:15	10/23/13 10:52	1
General Chemistry	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzad	Dil Fac
Analyte pH	Result 8.37	wuamer	0.200	0.200		D	Prepared	Analyzed 10/22/13 14:47	Dil Fac

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#### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.	
0	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	
oc .	Ouality 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)	
TEO	Toxicity Equivalent Ouotient (Dioxin)	

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Cal	tifiar	tion	Summ	
Cel	TUIICa	шоп	Summ	arv

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

### Laboratory: TestAmerica Chicago

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	
lowa	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	BTMS-O	04-30-14	

TestAmerica Chicago

THE LEADER IN ENVIRONMENTAL T 2417 Bond Street, University Park, IL 604E Phome: 706.534.5200 Fact: 706.534.5	5	ston solut DEBUNK	Kumere nors Inc er ct-stc. . 12 6000	SOO Address	y:	(optional) SIA-ME		Lab Cha	of Custody           Job 4:	
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maround Time Required (Business Days) _ 1 Day _ 2 Days _ 5 Days _ 7 Days _ 10 Days _ translet 0 bit Day Brouched 0 y 	Date 10-16-13 10-16-13 Date	Sample Dispos	to Client Pacelved By Received By Received By	Disposel by La	Company Company Company Company	Lab Comment	Dete 10-16-1 Dete 10(16) Dete	3 Dag	Hand Delivered	nooth)

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING 2417 Bond Struet, University Park, IL 20464 Phome: 708.534.520	Company: <u>Weston</u> Address: <u>750 E.</u> Address: <u>Vernav</u>	n solu Bunk	Kunnake hans line. or et ste. 506 . De 60061	Bill To Contact: Company; Address: Address: Phone:	(aptone) SAME	Lab Job	f Custody Record #_500-65048 Outlody Number:
		47-918	-4055	Fax:	vt	Tempera	ture "C of Cooler:
R2-57 (0.5-1.5)-101613 0- R2-56 (0.5-1.5)-101613 0- R2-55 (0.5-1.5)-101613 0- R2-55 (0.5-1.5)-101613 0- R2-54 (0.5-1.5)-101613 0- VL47-3 (0-1)-101613 0- VL47-3 (0-1)-101613 10- VL47-2 (0.5-1.5)-101613 0- VL47-1 (0.5-1.5)-101613 0- VL47-1 (0.5-1.5)-101613 0- 1 VL42-12 (0.5-1.5)-101613 0-	Pr Sampling Date Time 5: Nor13 1000 2 0-13 1015 2 0-13 1025 2 0-13 1040 2 0-13 1050 2 0-13 1050 2 10-13 115 2 0-13 1130 2 0-13 1140 2		XXXXXXXXX vols XXXXXXXXX sual	NUMPERATION AND A CONTRACT OF A CONTRACT ON A CONTRACT OF	Hd XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		Presentities Key 1. HCL, Cool to 4* 2. H2GX4, Cool to 4* 3. HN03, Cool to 4* 3. HN03, Cool to 4* 4. NaCH, Cool to 4* 5. NaCH/20, Cool to 4* 6. NaH504 7. Cool to 4* 8. Other  0. Other  Comments
narcond Time Required (Business Days)           1 Day         2 Days           2 Days         5 Days           2 Days         Days           Data         Construt           Data         Data	s <u>Stander</u> Other	Return t	1	append by Lab	Athe for Months (A		are retained longer than 1 month) Lab Courter TA Shipped Hand Delivered