Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
180 East Roosevelt Road (ISGS Site No. 2482V-4)

City: Villa Park State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860738780 (Decimal Degrees) Longitude: -87.973167186 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860738780 Longitude: -87.973167186

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 BA-4 WAS SAMPLED ADJACENT TO ISGS SITE No. 2482V-4. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101614-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or Licensed Professional Geologist Signature:

9 November 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2482V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	BA-4(0-1)-092315	Soil Reference Concentrations[A]
Sample Date	9/23/2015	
Depth	0 - 1	
ISGS Site No.	2482V-4	
Parameter		
Laboratory pH	8.47	<6.25, >9.0
VOCs	**None Detected**	
SVOCs (ug/kg)		
Acenaphthene	11 J	570000
Acenaphthylene	8.6 J	---
Anthracene	38 J	1.20E+07
Benzo(a)anthracene	270	900 / 1100 / 1800
Benzo(a)pyrene	370	90 / 1300 / 2100
Benzo(b)fluoranthene	590	900 / 1500 / 2100
Benzo(g,h,i)perylene	260	---
Benzo(k)fluoranthene	250	9000
Chrysene	350	88000
Dibenzo(a,h)anthracene	35 J	90 / 200 / 420
Fluoranthene	650	3100000
Fluorene	18 J	560000
Indeno(1,2,3-cd)pyrene	150	900 / 900 / 1600
Phenanthrene	240	---
Pyrene	420	2300000
Total Metals (mg/kg)		
Arsenic, Total	11 J-	11.3 / 13.0
Barium, Total	130	1500
Beryllium, Total	0.68	22
Cadmium, Total	0.46 J-	5.2
Calcium, Total	13000 J	---
Chromium, Total	15	21
Cobalt, Total	13	20
Copper, Total	22 J-	2900
Iron, Total	19000 J-	15000 / 15900
Lead, Total	82 J-	107
Magnesium, Total	8100 J	325000
Manganese, Total	470 J	630 / 636
Mercury, Total	0.028	0.89
Nickel, Total	26	100
Potassium, Total	1400 J+	---
Selenium, Total	0.64 J-	1.3
Sodium, Total	1200 J-	---
Vanadium, Total	25	550
Zinc, Total	82	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.46 J	2
Cadmium, TCLP	0.002 J	0.005
Manganese, TCLP	0.13	0.15
Zinc, TCLP	0.23 B	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.063	0.05
Barium, SPLP	0.74	2
Beryllium, SPLP	0.006	0.004
Cadmium, SPLP	0.002 J	0.005
Chromium, SPLP	0.15	0.1
Cobalt, SPLP	0.047	1
Copper, SPLP	0.15	0.65
Iron, SPLP	170 J+	5
Lead, SPLP	0.33	0.0075
Manganese, SPLP	0.97	0.15
Nickel, SPLP	0.14	0.1
Zinc, SPLP	0.87 B	5

Summary Table of ISGS Site No. 2482V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101614-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/2/2015 2:33:17 PM

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

Client Sample ID: BA-4(0-1)-092315
Date Collected: 09/23/15 10:03
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-8
Matrix: Solid
Percent Solids: 81.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		09/24/15 15:34	1
Benzene	<6.2		6.2	1.4	ug/Kg	☼		09/24/15 15:34	1
Bromodichloromethane	<6.2		6.2	1.0	ug/Kg	☼		09/24/15 15:34	1
Bromoform	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 15:34	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼		09/24/15 15:34	1
Carbon disulfide	<6.2		6.2	2.3	ug/Kg	☼		09/24/15 15:34	1
Carbon tetrachloride	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 15:34	1
Chlorobenzene	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 15:34	1
Chloroethane	<6.2		6.2	2.6	ug/Kg	☼		09/24/15 15:34	1
Chloroform	<6.2		6.2	1.2	ug/Kg	☼		09/24/15 15:34	1
Chloromethane	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 15:34	1
cis-1,2-Dichloroethene	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 15:34	1
cis-1,3-Dichloropropene	<6.2		6.2	1.4	ug/Kg	☼		09/24/15 15:34	1
Dibromochloromethane	<6.2		6.2	0.71	ug/Kg	☼		09/24/15 15:34	1
1,1-Dichloroethane	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 15:34	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		09/24/15 15:34	1
1,1-Dichloroethene	<6.2		6.2	2.2	ug/Kg	☼		09/24/15 15:34	1
1,2-Dichloropropane	<6.2		6.2	1.6	ug/Kg	☼		09/24/15 15:34	1
1,3-Dichloropropene, Total	<6.2		6.2	1.7	ug/Kg	☼		09/24/15 15:34	1
Ethylbenzene	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 15:34	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼		09/24/15 15:34	1
Methylene Chloride	<6.2		6.2	4.7	ug/Kg	☼		09/24/15 15:34	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		09/24/15 15:34	1
methyl isobutyl ketone	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 15:34	1
Methyl tert-butyl ether	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 15:34	1
Styrene	<6.2		6.2	1.4	ug/Kg	☼		09/24/15 15:34	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.98	ug/Kg	☼		09/24/15 15:34	1
Tetrachloroethene	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 15:34	1
Toluene	<6.2		6.2	2.1	ug/Kg	☼		09/24/15 15:34	1
trans-1,2-Dichloroethene	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 15:34	1
trans-1,3-Dichloropropene	<6.2		6.2	1.7	ug/Kg	☼		09/24/15 15:34	1
1,1,1-Trichloroethane	<6.2		6.2	1.4	ug/Kg	☼		09/24/15 15:34	1
1,1,2-Trichloroethane	<6.2		6.2	1.2	ug/Kg	☼		09/24/15 15:34	1
Trichloroethene	<6.2		6.2	1.7	ug/Kg	☼		09/24/15 15:34	1
Vinyl chloride	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 15:34	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		09/24/15 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 122*		*09/24/15 15:34*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*09/24/15 15:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*09/24/15 15:34*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*09/24/15 15:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1

Client Sample ID: BA-4(0-1)-092315
Date Collected: 09/23/15 10:03
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-8
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Acenaphthene	**11**	**J**	39	7.0	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Acenaphthylene	**8.6**	**J**	39	5.2	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Anthracene	**38**	**J**	39	6.5	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Benzo[a]anthracene	**270**		39	5.3	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Benzo[a]pyrene	**370**		39	7.6	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Benzo[b]fluoranthene	**590**		39	8.4	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Benzo[g,h,i]perylene	**260**		39	13	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Benzo[k]fluoranthene	**250**		39	12	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Carbazole	<200		200	98	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Chrysene	**350**		39	11	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Dibenz(a,h)anthracene	**35**	**J**	39	7.6	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Fluoranthene	**650**		39	7.3	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Fluorene	**18**	**J**	39	5.5	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Hexachloroethane	<200		200	59	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1

Client Sample ID: BA-4(0-1)-092315
Date Collected: 09/23/15 10:03
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-8
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**150**		39	10	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Isophorone	<200		200	44	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Phenanthrene	**240**		39	5.5	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Phenol	<200		200	87	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1
Pyrene	**420**		39	7.8	ug/Kg	☼	09/24/15 07:09	09/30/15 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*35 - 137*	*09/24/15 07:09*	*09/30/15 00:58*	*1*
2-Fluorobiphenyl	*101*		*25 - 119*	*09/24/15 07:09*	*09/30/15 00:58*	*1*
2-Fluorophenol	*89*		*25 - 110*	*09/24/15 07:09*	*09/30/15 00:58*	*1*
Nitrobenzene-d5	*84*		*25 - 115*	*09/24/15 07:09*	*09/30/15 00:58*	*1*
Phenol-d5	*96*		*31 - 110*	*09/24/15 07:09*	*09/30/15 00:58*	*1*
Terphenyl-d14	*85*		*36 - 134*	*09/24/15 07:09*	*09/30/15 00:58*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/15 11:00	10/01/15 22:35	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		09/30/15 11:00	09/30/15 22:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 11:00	09/30/15 22:48	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/30/15 11:00	09/30/15 22:48	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:48	1
Cobalt	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:48	1
Copper	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:48	1
Iron	<0.20		0.20	0.20	mg/L		09/30/15 11:00	09/30/15 22:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/30/15 11:00	10/01/15 22:35	1
Manganese	**0.13**		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:48	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:48	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 11:00	10/01/15 22:35	1
Silver	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:48	1
Zinc	**0.23**	**B**	0.10	0.020	mg/L		09/30/15 11:00	09/30/15 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.063**		0.050	0.010	mg/L		09/30/15 13:00	10/01/15 15:07	1
Barium	**0.74**		0.50	0.050	mg/L		09/30/15 13:00	10/01/15 15:07	1
Beryllium	**0.0060**		0.0040	0.0040	mg/L		09/30/15 13:00	10/01/15 15:07	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/30/15 13:00	10/01/15 15:07	1
Chromium	**0.15**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:07	1
Cobalt	**0.047**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:07	1
Copper	**0.15**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:07	1
Iron	**170**		0.20	0.20	mg/L		09/30/15 13:00	10/01/15 15:07	1
Lead	**0.33**		0.0075	0.0075	mg/L		09/30/15 13:00	10/01/15 15:07	1
Manganese	**0.97**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:07	1
Nickel	**0.14**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:07	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 13:00	10/01/15 15:07	1

Client Sample ID: BA-4(0-1)-092315
Date Collected: 09/23/15 10:03
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-8
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:07	1
Zinc	**0.87**	**B**	0.10	0.020	mg/L		09/30/15 13:00	10/01/15 15:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Arsenic	**11**		0.57	0.27	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Barium	**130**		0.57	0.11	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Beryllium	**0.68**		0.23	0.050	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Cadmium	**0.46**		0.11	0.033	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Calcium	**13000**		11	3.7	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Chromium	**15**		0.57	0.099	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Cobalt	**13**		0.29	0.065	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Copper	**22**		0.57	0.12	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Iron	**19000**		11	4.4	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Lead	**82**		0.29	0.14	mg/Kg	☼	09/29/15 12:00	09/30/15 18:21	1
Magnesium	**8100**		5.7	2.3	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Manganese	**470**		0.57	0.11	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Nickel	**26**		0.57	0.16	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Potassium	**1400**		29	4.7	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Selenium	**0.64**		0.57	0.28	mg/Kg	☼	09/29/15 12:00	09/30/15 18:21	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Sodium	**1200**		57	7.6	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Vanadium	**25**		0.29	0.084	mg/Kg	☼	09/29/15 12:00	09/29/15 19:34	1
Zinc	**82**		1.1	0.36	mg/Kg	☼	09/29/15 12:00	09/30/15 18:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 10:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		19	6.7	ug/Kg	☼	09/25/15 15:30	09/28/15 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.47**		0.200	0.200	SU			09/29/15 13:32	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101614-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101614

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 5.8

Report To (optional)		Bill To (optional)	
Contact:	S. Babusukumare	Contact:	SAME
Company:	Weston Solutions Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7836	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative
Weston Solutions	02056.014.029.0036	
Project Name		Parameter
IDOT 029-IL 38 (Roosevelt Rd)		
Project Location/State	Lab Project #	
Oakbrook Terrace/Villa Park, IL		
Sampler	Lab PM	
A. Turkasz	D. Wright	

Preservative Key
1. HCL, Cool to 4°
2. [illegible] to 4°
3. 4°
4. 4°
5. [illegible] to 4°

500-101614 COC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS TCLP/SPLP Method	PH					Comments
							7	7	7	7	7				
1		TH-2(0-1.5)-092315	9/23/15	0758	2		X	X	X	X	X				
2		TH-1(0-1)-092315	9/23/15	0805	2										
3		~~TH~~ CB27-2(0-2)-092315	9/23/15	0820	2										
4		CB27-1(0-2)-092315	9/23/15	0840	2										
5		WG-3(0-1.5)-092315	9/23/15	0852	2										
6		WG-2(0-1.5)-092315	9/23/15	0922	2										
7		WG-1(0-1.5)-092315	9/23/15	0938	2										
8		BA-4(0-1)-092315	9/23/15	1003	2										
9		BA-3(0-1)-092315	9/23/15	1013	2										
10		BA-2(0-1)-092315	9/23/15	1025	2		X	X	X	X	X				

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/23/2015	1605		TA	9/23/15	1605
	TA	9/23/15	1720		TA-CHI	09/23/15	1720

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101614

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 5.8

Report To (optional)		Bill To (optional)	
Contact:	S. Babusukumar	Contact:	SAME
Company:	Weston Solutions Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7886	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #
Weston Solutions	02056.014.029.0030
Project Name	
IDOT 029 - IL 38 (Roosevelt Rd)	
Project Location/State	Lab Project #
Oak Brook Terrace / Villa Park IL	
Sampler	Lab PM
A. Turkasz	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	HR	Comments
							7	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	HR	
11		BA-1(0-1)-092315	9/23/15	658	2			X	X	X	X	X	
12		SC-3(0-1)-092315	9/23/15	1113	2			↓	↓	↓	↓	↓	
13		SC-3(0-1)-092315D	9/23/15	1113	2			↓	↓	↓	↓	↓	
14		SC-2(0-2)-092315	9/23/15	1133	2			↓	↓	↓	↓	↓	
15		SC-1(0-1.5)-092315	9/23/15	1150	2			X	X	X	X	X	

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/23/2015	1605		TA	9/23/15	1605
	TA	9/23/15	1720		TA-CHI	09/23/15	17:20

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

10/2/2015

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
17W621-17W631 Roosevelt Road (ISGS Site No. 2482V-6)

City: Oakbrook Terrace State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860383395 (Decimal Degrees) Longitude: -87.973569044 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860383395 Longitude: -87.973569044

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS CB6-1 THROUGH CB6-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2482V-6. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101490-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

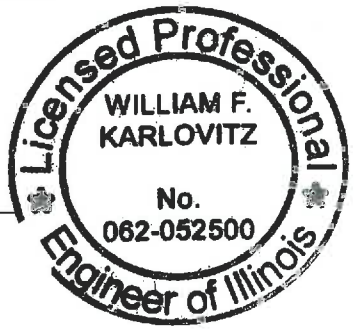
City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or Licensed Professional Geologist Signature:

9 November 2015
Date:



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

Summary Table of ISGS Site No. 2482V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	CB6-1(0-3.5)-092115	**Soil Reference Concentrations[A]**
Sample Date	9/21/2015	
Depth	0 - 3.5	
ISGS Site No.	2482V-6	
Parameter		
Laboratory pH	7.75	<6.25, >9.0
VOCs	**None Detected**	
SVOCs (ug/kg)		
Anthracene	32 J	1.20E+07
Benzo(a)anthracene	240	900 / 1100 / 1800
Benzo(a)pyrene	280	90 / 1300 / 2100
Benzo(b)fluoranthene	490	900 / 1500 / 2100
Benzo(g,h,i)perylene	140	---
Benzo(k)fluoranthene	180	9000
Chrysene	320	88000
Dibenzo(a,h)anthracene	35 J	90 / 200 / 420
Fluoranthene	560	3100000
Fluorene	8.6 J	560000
Indeno(1,2,3-cd)pyrene	150	900 / 900 / 1600
Phenanthrene	200	---
Pyrene	470	2300000
Total Metals (mg/kg)		
Antimony, Total	0.36 J	5
Arsenic, Total	6.3 J	11.3 / 13.0
Barium, Total	48	1500
Beryllium, Total	0.71	22
Cadmium, Total	0.47	5.2
Calcium, Total	34000 J	---
Chromium, Total	17 J+	21
Cobalt, Total	9.3 J-	20
Copper, Total	38 J	2900
Iron, Total	17000 J	15000 / 15900
Lead, Total	20 J	107
Magnesium, Total	22000 J	325000
Manganese, Total	250 J-	630 / 636
Mercury, Total	0.055 J+	0.89
Nickel, Total	26 J-	100
Potassium, Total	2300 J+	---
Selenium, Total	1	1.3
Silver, Total	0.12 J	4.4
Sodium, Total	180	---
Vanadium, Total	23 J+	550
Zinc, Total	66 J-	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.48 J	2
Manganese, TCLP	0.068	0.15
SPLP Metals (mg/l)		
Barium, SPLP	0.23 J	2
Chromium, SPLP	0.019 J	0.1
Copper, SPLP	0.023 J	0.65
Iron, SPLP	14 J	5
Lead, SPLP	0.017 J	0.0075
Manganese, SPLP	0.068 J	0.15
Nickel, SPLP	0.016 J	0.1

Summary Table of ISGS Site No. 2482V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101490-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/30/2015 4:19:14 PM

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

Client Sample ID: CB6-1(0-3.5)-092115

Date Collected: 09/21/15 12:15
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-7

Matrix: Solid
Percent Solids: 82.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		09/23/15 11:56	1
Benzene	<6.1	F1	6.1	1.3	ug/Kg	☼		09/23/15 11:56	1
Bromodichloromethane	<6.1	F1	6.1	1.0	ug/Kg	☼		09/23/15 11:56	1
Bromoform	<6.1	F1	6.1	1.2	ug/Kg	☼		09/23/15 11:56	1
Bromomethane	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 11:56	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 11:56	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 11:56	1
Chlorobenzene	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 11:56	1
Chloroethane	<6.1		6.1	2.5	ug/Kg	☼		09/23/15 11:56	1
Chloroform	<6.1	F1	6.1	1.2	ug/Kg	☼		09/23/15 11:56	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 11:56	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 11:56	1
cis-1,3-Dichloropropene	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 11:56	1
Dibromochloromethane	<6.1	F1	6.1	0.70	ug/Kg	☼		09/23/15 11:56	1
1,1-Dichloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 11:56	1
1,2-Dichloroethane	<6.1	F1	6.1	0.90	ug/Kg	☼		09/23/15 11:56	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 11:56	1
1,2-Dichloropropane	<6.1	F1	6.1	1.6	ug/Kg	☼		09/23/15 11:56	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 11:56	1
Ethylbenzene	<6.1	F1	6.1	1.5	ug/Kg	☼		09/23/15 11:56	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		09/23/15 11:56	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		09/23/15 11:56	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 11:56	1
methyl isobutyl ketone	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 11:56	1
Methyl tert-butyl ether	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 11:56	1
Styrene	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 11:56	1
1,1,2,2-Tetrachloroethane	<6.1	F1	6.1	0.96	ug/Kg	☼		09/23/15 11:56	1
Tetrachloroethene	<6.1	F1	6.1	1.3	ug/Kg	☼		09/23/15 11:56	1
Toluene	<6.1	F1	6.1	2.1	ug/Kg	☼		09/23/15 11:56	1
trans-1,2-Dichloroethene	<6.1	F1	6.1	1.5	ug/Kg	☼		09/23/15 11:56	1
trans-1,3-Dichloropropene	<6.1	F1	6.1	1.7	ug/Kg	☼		09/23/15 11:56	1
1,1,1-Trichloroethane	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 11:56	1
1,1,2-Trichloroethane	<6.1	F1	6.1	1.2	ug/Kg	☼		09/23/15 11:56	1
Trichloroethene	<6.1	F1	6.1	1.6	ug/Kg	☼		09/23/15 11:56	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 11:56	1
Xylenes, Total	<12	F1	12	2.2	ug/Kg	☼		09/23/15 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 122*		*09/23/15 11:56*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*09/23/15 11:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*09/23/15 11:56*	*1*
Toluene-d8 (Surr)	*106*		*75 - 122*		*09/23/15 11:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1

Client Sample ID: CB6-1(0-3.5)-092115
Date Collected: 09/21/15 12:15
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-7
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Anthracene	**32**	**J**	39	6.6	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Benzo[a]anthracene	**240**		39	5.3	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Benzo[a]pyrene	**280**		39	7.7	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Benzo[b]fluoranthene	**490**		39	8.5	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Benzo[g,h,i]perylene	**140**		39	13	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Benzo[k]fluoranthene	**180**		39	12	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Carbazole	<200		200	99	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Chrysene	**320**		39	11	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Dibenz(a,h)anthracene	**35**	**J**	39	7.6	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Fluoranthene	**560**		39	7.3	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Fluorene	**8.6**	**J**	39	5.6	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1

Client Sample ID: CB6-1(0-3.5)-092115
Date Collected: 09/21/15 12:15
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-7
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**150**		39	10	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Isophorone	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Naphthalene	<39		39	6.1	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Phenanthrene	**200**		39	5.5	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Phenol	<200		200	88	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1
Pyrene	**470**		39	7.9	ug/Kg	☼	09/23/15 07:25	09/26/15 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*35 - 137*	*09/23/15 07:25*	*09/26/15 00:22*	*1*
2-Fluorobiphenyl	*104*		*25 - 119*	*09/23/15 07:25*	*09/26/15 00:22*	*1*
2-Fluorophenol	*107*		*25 - 110*	*09/23/15 07:25*	*09/26/15 00:22*	*1*
Nitrobenzene-d5	*99*		*25 - 115*	*09/23/15 07:25*	*09/26/15 00:22*	*1*
Phenol-d5	*110*		*31 - 110*	*09/23/15 07:25*	*09/26/15 00:22*	*1*
Terphenyl-d14	*105*		*36 - 134*	*09/23/15 07:25*	*09/26/15 00:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:12	09/30/15 13:25	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		09/29/15 13:12	09/30/15 13:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:12	09/30/15 13:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:12	09/30/15 13:25	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:25	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:25	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:25	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:12	09/30/15 13:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:12	09/30/15 13:25	1
Manganese	**0.068**		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:25	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:25	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:12	09/30/15 13:25	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:25	1
Zinc	<0.10		0.10	0.020	mg/L		09/29/15 13:12	09/30/15 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/24/15 11:00	09/24/15 19:59	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		09/24/15 11:00	09/24/15 19:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 11:00	09/24/15 19:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/24/15 11:00	09/24/15 19:59	1
Chromium	**0.019**	**J**	0.025	0.010	mg/L		09/24/15 11:00	09/24/15 19:59	1
Cobalt	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 19:59	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		09/24/15 11:00	09/24/15 19:59	1
Iron	**14**		0.20	0.20	mg/L		09/24/15 11:00	09/24/15 19:59	1
Lead	**0.017**		0.0075	0.0075	mg/L		09/24/15 11:00	09/24/15 19:59	1
Manganese	**0.068**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 19:59	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		09/24/15 11:00	09/24/15 19:59	1
Selenium	<0.050		0.050	0.020	mg/L		09/24/15 11:00	09/24/15 19:59	1

Client Sample ID: CB6-1(0-3.5)-092115
Date Collected: 09/21/15 12:15
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-7
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 19:59	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		09/24/15 11:00	09/24/15 19:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.36**	**J**	1.2	0.25	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Arsenic	**6.3**		0.60	0.28	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Barium	**48**		0.60	0.11	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Beryllium	**0.71**		0.24	0.052	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Cadmium	**0.47**		0.12	0.035	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Calcium	**34000**		12	3.8	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Chromium	**17**		0.60	0.10	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Cobalt	**9.3**		0.30	0.067	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Copper	**38**	**B**	0.60	0.13	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Iron	**17000**		12	4.6	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Lead	**20**	**B**	0.30	0.15	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Magnesium	**22000**		6.0	2.4	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Manganese	**250**		0.60	0.12	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Nickel	**26**		0.60	0.16	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Potassium	**2300**		30	4.9	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Selenium	**1.0**		0.60	0.30	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Silver	**0.12**	**J**	0.30	0.070	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Sodium	**180**		60	7.9	mg/Kg	☼	09/28/15 12:00	09/29/15 01:54	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	09/28/15 12:00	09/29/15 01:54	1
Vanadium	**23**		0.30	0.087	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1
Zinc	**66**		1.2	0.38	mg/Kg	☼	09/28/15 12:00	09/28/15 18:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 09:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**55**		20	7.0	ug/Kg	☼	09/23/15 15:30	09/24/15 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.75**		0.200	0.200	SU			09/26/15 10:42	1

Client Sample ID: CB6-2(0-3.5)-092115

Date Collected: 09/21/15 12:30
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-8

Matrix: Solid
Percent Solids: 76.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<26		26	5.0	ug/Kg	☼		09/23/15 13:11	1
Benzene	<6.5		6.5	1.4	ug/Kg	☼		09/23/15 13:11	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		09/23/15 13:11	1
Bromoform	<6.5		6.5	1.3	ug/Kg	☼		09/23/15 13:11	1
Bromomethane	<6.5		6.5	2.4	ug/Kg	☼		09/23/15 13:11	1
Carbon disulfide	<6.5		6.5	2.4	ug/Kg	☼		09/23/15 13:11	1
Carbon tetrachloride	<6.5		6.5	1.4	ug/Kg	☼		09/23/15 13:11	1
Chlorobenzene	<6.5		6.5	1.5	ug/Kg	☼		09/23/15 13:11	1
Chloroethane	<6.5		6.5	2.7	ug/Kg	☼		09/23/15 13:11	1
Chloroform	<6.5		6.5	1.3	ug/Kg	☼		09/23/15 13:11	1
Chloromethane	<6.5		6.5	1.6	ug/Kg	☼		09/23/15 13:11	1
cis-1,2-Dichloroethene	<6.5		6.5	1.3	ug/Kg	☼		09/23/15 13:11	1
cis-1,3-Dichloropropene	<6.5		6.5	1.5	ug/Kg	☼		09/23/15 13:11	1
Dibromochloromethane	<6.5		6.5	0.75	ug/Kg	☼		09/23/15 13:11	1
1,1-Dichloroethane	<6.5		6.5	1.3	ug/Kg	☼		09/23/15 13:11	1
1,2-Dichloroethane	<6.5		6.5	0.97	ug/Kg	☼		09/23/15 13:11	1
1,1-Dichloroethene	<6.5		6.5	2.4	ug/Kg	☼		09/23/15 13:11	1
1,2-Dichloropropane	<6.5		6.5	1.7	ug/Kg	☼		09/23/15 13:11	1
1,3-Dichloropropene, Total	<6.5		6.5	1.8	ug/Kg	☼		09/23/15 13:11	1
Ethylbenzene	<6.5		6.5	1.6	ug/Kg	☼		09/23/15 13:11	1
2-Hexanone	<6.5		6.5	2.0	ug/Kg	☼		09/23/15 13:11	1
Methylene Chloride	<6.5		6.5	4.9	ug/Kg	☼		09/23/15 13:11	1
Methyl Ethyl Ketone	<6.5		6.5	2.3	ug/Kg	☼		09/23/15 13:11	1
methyl isobutyl ketone	<6.5		6.5	1.3	ug/Kg	☼		09/23/15 13:11	1
Methyl tert-butyl ether	<6.5		6.5	1.5	ug/Kg	☼		09/23/15 13:11	1
Styrene	<6.5		6.5	1.5	ug/Kg	☼		09/23/15 13:11	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.0	ug/Kg	☼		09/23/15 13:11	1
Tetrachloroethene	<6.5		6.5	1.4	ug/Kg	☼		09/23/15 13:11	1
Toluene	<6.5		6.5	2.3	ug/Kg	☼		09/23/15 13:11	1
trans-1,2-Dichloroethene	<6.5		6.5	1.6	ug/Kg	☼		09/23/15 13:11	1
trans-1,3-Dichloropropene	<6.5		6.5	1.8	ug/Kg	☼		09/23/15 13:11	1
1,1,1-Trichloroethane	<6.5		6.5	1.5	ug/Kg	☼		09/23/15 13:11	1
1,1,2-Trichloroethane	<6.5		6.5	1.3	ug/Kg	☼		09/23/15 13:11	1
Trichloroethene	<6.5		6.5	1.8	ug/Kg	☼		09/23/15 13:11	1
Vinyl chloride	<6.5		6.5	1.6	ug/Kg	☼		09/23/15 13:11	1
Xylenes, Total	<13		13	2.4	ug/Kg	☼		09/23/15 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 122*		*09/23/15 13:11*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*09/23/15 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*09/23/15 13:11*	*1*
Toluene-d8 (Surr)	*106*		*75 - 122*		*09/23/15 13:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<220		220	46	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
1,2-Dichlorobenzene	<220		220	51	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
1,3-Dichlorobenzene	<220		220	49	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
1,4-Dichlorobenzene	<220		220	55	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2,2'-oxybis[1-chloropropane]	<220		220	50	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1

Client Sample ID: CB6-2(0-3.5)-092115
Date Collected: 09/21/15 12:30
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-8
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<430		430	98	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2,4,6-Trichlorophenol	<430		430	150	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2,4-Dichlorophenol	<430		430	100	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2,4-Dimethylphenol	<430		430	160	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2,4-Dinitrophenol	<870		870	760	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2,4-Dinitrotoluene	<220		220	68	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2,6-Dinitrotoluene	<220		220	85	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2-Chloronaphthalene	<220		220	48	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2-Chlorophenol	<220		220	74	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2-Methylnaphthalene	<43		43	7.9	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2-Methylphenol	<220		220	69	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2-Nitroaniline	<220		220	58	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
2-Nitrophenol	<430		430	100	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
3 & 4 Methylphenol	<220		220	72	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
3,3'-Dichlorobenzidine	<220		220	60	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
3-Nitroaniline	<430		430	130	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
4,6-Dinitro-2-methylphenol	<870		870	350	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
4-Bromophenyl phenyl ether	<220		220	57	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
4-Chloro-3-methylphenol	<430		430	150	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
4-Chloroaniline	<870		870	200	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
4-Chlorophenyl phenyl ether	<220		220	50	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
4-Nitroaniline	<430		430	180	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
4-Nitrophenol	<870		870	410	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Acenaphthene	**42**	**J**	43	7.7	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Acenaphthylene	**15**	**J**	43	5.7	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Anthracene	**160**		43	7.2	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Benzo[a]anthracene	**1000**		43	5.8	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Benzo[a]pyrene	**1300**		43	8.3	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Benzo[b]fluoranthene	**2100**		43	9.3	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Benzo[g,h,i]perylene	**470**		43	14	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Benzo[k]fluoranthene	**840**		43	13	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Bis(2-chloroethoxy)methane	<220		220	44	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Bis(2-chloroethyl)ether	<220		220	65	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Bis(2-ethylhexyl) phthalate	<220		220	79	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Butyl benzyl phthalate	<220		220	82	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Carbazole	**110**	**J**	220	110	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Chrysene	**1300**		43	12	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Dibenz(a,h)anthracene	**150**		43	8.3	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Dibenzofuran	<220		220	50	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Diethyl phthalate	<220		220	73	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Dimethyl phthalate	<220		220	56	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Di-n-butyl phthalate	<220		220	66	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Di-n-octyl phthalate	<220		220	70	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Fluoranthene	**2200**		43	8.0	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Fluorene	**51**		43	6.1	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Hexachlorobenzene	<87		87	10	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Hexachlorobutadiene	<220		220	68	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Hexachlorocyclopentadiene	<870		870	250	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Hexachloroethane	<220		220	66	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1

Client Sample ID: CB6-2(0-3.5)-092115
Date Collected: 09/21/15 12:30
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-8
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**670**		43	11	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Isophorone	<220		220	48	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Naphthalene	**7.6**	**J**	43	6.6	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Nitrobenzene	<43		43	11	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
N-Nitrosodi-n-propylamine	<220		220	53	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
N-Nitrosodiphenylamine	<220		220	51	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Pentachlorophenol	<870		870	690	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Phenanthrene	**960**		43	6.0	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Phenol	<220		220	96	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1
Pyrene	**2600**		43	8.6	ug/Kg	☼	09/23/15 07:25	09/28/15 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 137*	*09/23/15 07:25*	*09/28/15 17:11*	*1*
2-Fluorobiphenyl	*82*		*25 - 119*	*09/23/15 07:25*	*09/28/15 17:11*	*1*
2-Fluorophenol	*112*	*X*	*25 - 110*	*09/23/15 07:25*	*09/28/15 17:11*	*1*
Nitrobenzene-d5	*86*		*25 - 115*	*09/23/15 07:25*	*09/28/15 17:11*	*1*
Phenol-d5	*101*		*31 - 110*	*09/23/15 07:25*	*09/28/15 17:11*	*1*
Terphenyl-d14	*135*	*X*	*36 - 134*	*09/23/15 07:25*	*09/28/15 17:11*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:12	09/30/15 13:32	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/29/15 13:12	09/30/15 13:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:12	09/30/15 13:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:12	09/30/15 13:32	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:32	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:32	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:32	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:12	09/30/15 13:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:12	09/30/15 13:32	1
Manganese	**0.10**		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:32	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:32	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:12	09/30/15 13:32	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:32	1
Zinc	**0.026**	**J**	0.10	0.020	mg/L		09/29/15 13:12	09/30/15 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.017**	**J**	0.050	0.010	mg/L		09/24/15 11:00	09/24/15 20:03	1
Barium	**0.52**		0.50	0.050	mg/L		09/24/15 11:00	09/24/15 20:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 11:00	09/24/15 20:03	1
Cadmium	**0.0030**	**J**	0.0050	0.0020	mg/L		09/24/15 11:00	09/24/15 20:03	1
Chromium	**0.097**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:03	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:03	1
Copper	**0.093**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:03	1
Iron	**95**		0.20	0.20	mg/L		09/24/15 11:00	09/24/15 20:03	1
Lead	**0.14**		0.038	0.038	mg/L		09/24/15 11:00	09/25/15 15:07	5
Manganese	**0.59**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:03	1
Nickel	**0.089**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:03	1
Selenium	<0.050		0.050	0.020	mg/L		09/24/15 11:00	09/24/15 20:03	1

Client Sample ID: CB6-2(0-3.5)-092115
Date Collected: 09/21/15 12:30
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-8
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:03	1
Zinc	**0.52**	**B**	0.10	0.020	mg/L		09/24/15 11:00	09/24/15 20:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.82**	**J**	1.3	0.27	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Arsenic	**9.1**		0.64	0.30	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Barium	**100**		0.64	0.12	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Beryllium	**0.84**		0.26	0.055	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Cadmium	**0.59**		0.13	0.037	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Calcium	**18000**		13	4.1	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Chromium	**21**		0.64	0.11	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Cobalt	**11**		0.32	0.072	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Copper	**23**	**B**	0.64	0.14	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Iron	**21000**		13	4.9	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Lead	**29**	**B**	0.32	0.16	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Magnesium	**12000**		6.4	2.6	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Manganese	**720**		0.64	0.13	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Nickel	**21**		0.64	0.17	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Potassium	**2100**		32	5.2	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Selenium	**1.2**		0.64	0.32	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Silver	**0.097**	**J**	0.32	0.075	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Sodium	**800**		64	8.5	mg/Kg	☼	09/28/15 12:00	09/29/15 01:58	1
Thallium	<0.64		0.64	0.32	mg/Kg	☼	09/28/15 12:00	09/29/15 01:58	1
Vanadium	**32**		0.32	0.093	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1
Zinc	**69**		1.3	0.41	mg/Kg	☼	09/28/15 12:00	09/28/15 18:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 09:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**49**		19	6.6	ug/Kg	☼	09/23/15 15:30	09/24/15 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.80**		0.200	0.200	SU			09/26/15 10:45	1

Client Sample ID: CB6-3(0-3.5)-092115

Date Collected: 09/21/15 12:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-9

Matrix: Solid
Percent Solids: 81.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		09/23/15 13:37	1
Benzene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 13:37	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		09/23/15 13:37	1
Bromoform	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 13:37	1
Bromomethane	<6.1		6.1	2.3	ug/Kg	☼		09/23/15 13:37	1
Carbon disulfide	<6.1		6.1	2.3	ug/Kg	☼		09/23/15 13:37	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 13:37	1
Chlorobenzene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 13:37	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		09/23/15 13:37	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 13:37	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 13:37	1
cis-1,2-Dichloroethene	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 13:37	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 13:37	1
Dibromochloromethane	<6.1		6.1	0.71	ug/Kg	☼		09/23/15 13:37	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 13:37	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		09/23/15 13:37	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 13:37	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		09/23/15 13:37	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 13:37	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 13:37	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		09/23/15 13:37	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		09/23/15 13:37	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 13:37	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 13:37	1
Methyl tert-butyl ether	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 13:37	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 13:37	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.98	ug/Kg	☼		09/23/15 13:37	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 13:37	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		09/23/15 13:37	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 13:37	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 13:37	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 13:37	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 13:37	1
Trichloroethene	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 13:37	1
Vinyl chloride	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 13:37	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		09/23/15 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 122*		*09/23/15 13:37*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*09/23/15 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*09/23/15 13:37*	*1*
Toluene-d8 (Surr)	*109*		*75 - 122*		*09/23/15 13:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1

Client Sample ID: CB6-3(0-3.5)-092115
Date Collected: 09/21/15 12:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-9
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2,4-Dichlorophenol	<400		400	97	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2-Methylnaphthalene	<40		40	7.5	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2-Methylphenol	<200		200	65	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Acenaphthene	**8.2**	**J**	40	7.3	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Acenaphthylene	<40		40	5.4	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Anthracene	**44**		40	6.8	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Benzo[a]anthracene	**330**		40	5.5	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Benzo[a]pyrene	**380**		40	7.9	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Benzo[b]fluoranthene	**670**		40	8.8	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Benzo[g,h,i]perylene	**210**		40	13	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Benzo[k]fluoranthene	**260**		40	12	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Carbazole	<200		200	100	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Chrysene	**430**		40	11	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Dibenz(a,h)anthracene	**55**		40	7.9	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Dibenzofuran	<200		200	48	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Fluoranthene	**800**		40	7.5	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Fluorene	**11**	**J**	40	5.7	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Hexachloroethane	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1

Client Sample ID: CB6-3(0-3.5)-092115
Date Collected: 09/21/15 12:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-9
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**210**		40	11	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Isophorone	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Naphthalene	<40		40	6.3	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Phenanthrene	**280**		40	5.7	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Phenol	<200		200	90	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1
Pyrene	**620**		40	8.1	ug/Kg	☼	09/23/15 07:25	09/26/15 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*09/23/15 07:25*	*09/26/15 00:46*	*1*
2-Fluorobiphenyl	*109*		*25 - 119*	*09/23/15 07:25*	*09/26/15 00:46*	*1*
2-Fluorophenol	*118*	*X*	*25 - 110*	*09/23/15 07:25*	*09/26/15 00:46*	*1*
Nitrobenzene-d5	*96*		*25 - 115*	*09/23/15 07:25*	*09/26/15 00:46*	*1*
Phenol-d5	*119*	*X*	*31 - 110*	*09/23/15 07:25*	*09/26/15 00:46*	*1*
Terphenyl-d14	*114*		*36 - 134*	*09/23/15 07:25*	*09/26/15 00:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:12	09/30/15 13:39	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/29/15 13:12	09/30/15 13:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:12	09/30/15 13:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:12	09/30/15 13:39	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:39	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:39	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:39	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:12	09/30/15 13:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:12	09/30/15 13:39	1
Manganese	**0.054**		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:39	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:39	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:12	09/30/15 13:39	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:39	1
Zinc	**0.12**		0.10	0.020	mg/L		09/29/15 13:12	09/30/15 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.020**	**J**	0.050	0.010	mg/L		09/24/15 11:00	09/24/15 20:08	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/24/15 11:00	09/24/15 20:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 11:00	09/24/15 20:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/24/15 11:00	09/24/15 20:08	1
Chromium	**0.044**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:08	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:08	1
Copper	**0.065**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:08	1
Iron	**46**		0.20	0.20	mg/L		09/24/15 11:00	09/24/15 20:08	1
Lead	**0.042**		0.0075	0.0075	mg/L		09/24/15 11:00	09/24/15 20:08	1
Manganese	**0.23**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:08	1
Nickel	**0.047**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:08	1
Selenium	<0.050		0.050	0.020	mg/L		09/24/15 11:00	09/24/15 20:08	1

Client Sample ID: CB6-3(0-3.5)-092115
Date Collected: 09/21/15 12:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-9
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:08	1
Zinc	**0.27**	**B**	0.10	0.020	mg/L		09/24/15 11:00	09/24/15 20:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.39**	**J**	1.1	0.24	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Arsenic	**12**		0.57	0.26	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Barium	**75**		0.57	0.10	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Beryllium	**0.66**		0.23	0.049	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Cadmium	**0.55**		0.11	0.033	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Calcium	**42000**		11	3.7	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Chromium	**17**		0.57	0.098	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Cobalt	**8.7**		0.28	0.064	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Copper	**23**	**B**	0.57	0.12	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Iron	**17000**		11	4.4	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Lead	**36**	**B**	0.28	0.14	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Magnesium	**25000**		5.7	2.3	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Manganese	**560**		0.57	0.11	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Nickel	**17**		0.57	0.15	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Potassium	**2000**		28	4.6	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Selenium	**0.98**		0.57	0.28	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Sodium	**110**		57	7.5	mg/Kg	☼	09/28/15 12:00	09/29/15 02:03	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	09/28/15 12:00	09/29/15 02:03	1
Vanadium	**24**		0.28	0.083	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1
Zinc	**95**		1.1	0.36	mg/Kg	☼	09/28/15 12:00	09/28/15 18:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 09:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		20	7.0	ug/Kg	☼	09/23/15 15:30	09/24/15 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.24**		0.200	0.200	SU			09/26/15 10:48	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101490-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-101490 COC

Chain of Custody Record

Lab Job #: 500-101490

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.8

Report To (optional)	Bill To (optional)
Contact: S. Bahosy Kunkim	Contact: SAME
Company: Weston Solutions	Company:
Address: 300 Plaza Circle, Ste 202	Address:
Address: Lindelein, IL 60060	Address:
Phone: 224-864-7250	Phone:
Fax: 724-864-7236	Fax:
E-Mail:	PO#/Reference#

Client	Client Project #
Weston Solutions	02056-014.029-0030
Project Name: IDOT 029 - IL38 (Roosevelt Rd)	
Project Location/State: Oak Brook Terrace/Villa Park, IL	Lab Project #
Sampler: M. Doheny-Skibic	Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		BHB-1(0-2)-092115	9-21-15	0858	2	S		X	X	X	X	X					
2		BHB-1(0-2)-092115D		0858													
3		BHB-2(0-2)-092115		0923													
4		BHB-3(0-2)-092115		0940													
5		CB5-1(0-1)-092115		0955													
6		CB5-2(0-1)-092115		1009													
7		CB6-1(0-3.5)-092115		1215													
8		CB6-2(0-3.5)-092115		1230													
9		CB6-3(0-3.5)-092115		1240													
10		SE-1(0-3.5)-092115	9-21-15	1255	2	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	9-21-15		B. Neal	TA	9/21/15	1600
B. Neal	TA	9/21/15	1657	[illegible]	TA-CHT	9/22/15	0730
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-590 (1209)

9/30/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101490

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

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

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

Client: Weston Solutions.
Client Project #: 02056.014.029.00
Project Name: IDOT 029-IL38 (Roosevelt Rd)
Project Location/State: Oakbrook Terrace/Villa Park, IL
Lab Project #:
Sampler: M. Doheny-SKubic
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP Metals	pH	Comments
11		SE-2(0-3.5)-092115	9-21-15	1305	2	S	X	X	X	X	X	
12		AZ-1(0-1)-092115	9-21-15	1318								
13		AZ-1(0-1)-092115D		1318								
14		BB-1(0-1)-092115		1333								
15		CB28-1(0-1)-092115		1346								
16		GP-1(0-2)-092115		1400								
17		GP-2(0-2)-092115		1417								
18		GP-3(0-2)-092115		1432								
19		ITS-5(0-3.5)-092115		1458								
20		ITS-4(0-3.5)-092115	9-21-15	1504	2	S	X	X	X	X	X	

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

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

	Company	Date	Time
Relinquished By: [illegible]	Weston	9-21-15	
Relinquished By: [illegible]	TA	9/21/15	1657
Relinquished By	Company	Date	Time
Received By: [illegible]	TA	9/21/15	1600
Received By: [illegible]	TA-CAN	9/22/15	0730
Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124 (500) (1209)

9/30/2015

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
200 E. Roosevelt Road (ISGS Site No. 2482V-14)

City: Villa Park State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860710564 (Decimal Degrees) Longitude: -87.972850627 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860710564 Longitude: -87.972850627

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 WG-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2482V-14. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101614-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2482V-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	WG-1(0-1.5)-092315	Soil Reference Concentrations[A]
Sample Date	9/23/2015	
Depth	0 - 1.5	
ISGS Site No.	2482V-14	
Parameter		
Laboratory pH	8.93	<6.25, >9.0
VOCs	**None Detected**	
SVOCs (ug/kg)		
Acenaphthene	37 J	570000
Acenaphthylene	14 J	---
Anthracene	120	1.20E+07
Benzo(a)anthracene	700	900 / 1100 / 1800
Benzo(a)pyrene	740	90 / 1300 / 2100
Benzo(b)fluoranthene	1400	900 / 1500 / 2100
Benzo(g,h,i)perylene	320	---
Benzo(k)fluoranthene	390	9000
bis(2-Ethylhexyl)phthalate	76 J	46000
Chrysene	820	88000
Dibenzo(a,h)anthracene	73	90 / 200 / 420
Fluoranthene	1300	3100000
Fluorene	34 J	560000
Indeno(1,2,3-cd)pyrene	390	900 / 900 / 1600
Naphthalene, SVOC	8.4 J	1800
Phenanthrene	720	---
Pyrene	2300	2300000
Total Metals (mg/kg)		
Arsenic, Total	9.5 J-	11.3 / 13.0
Barium, Total	72	1500
Beryllium, Total	0.66	22
Cadmium, Total	0.59 J-	5.2
Calcium, Total	8000 J	---
Chromium, Total	19	21
Cobalt, Total	10	20
Copper, Total	26 J-	2900
Iron, Total	19000 J-	15000 / 15900
Lead, Total	46 J-	107
Magnesium, Total	5600 J	325000
Manganese, Total	400 J	630 / 636
Mercury, Total	0.052	0.89
Nickel, Total	24	100
Potassium, Total	1500 J+	---
Selenium, Total	0.61 J	1.3
Sodium, Total	3100 J-	---
Vanadium, Total	25	550
Zinc, Total	85	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.32 J	2
Cadmium, TCLP	0.0045 J	0.005
Manganese, TCLP	0.3	0.15
SPLP Metals (mg/l)		
Arsenic, SPLP	0.074	0.05
Barium, SPLP	0.73	2
Beryllium, SPLP	0.0069	0.004
Cadmium, SPLP	0.0098	0.005
Chromium, SPLP	0.24	0.1
Cobalt, SPLP	0.047	1
Copper, SPLP	0.27	0.65
Iron, SPLP	180 J+	5
Lead, SPLP	0.26	0.0075
Manganese, SPLP	1.5	0.15
Nickel, SPLP	0.18	0.1
Zinc, SPLP	0.96 B	5

Summary Table of ISGS Site No. 2482V-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101614-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/2/2015 2:33:17 PM

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

Client Sample ID: WG-1(0-1.5)-092315
Date Collected: 09/23/15 09:38
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-7
Matrix: Solid
Percent Solids: 79.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		09/24/15 15:09	1
Benzene	<6.3		6.3	1.4	ug/Kg	☼		09/24/15 15:09	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		09/24/15 15:09	1
Bromoform	<6.3		6.3	1.3	ug/Kg	☼		09/24/15 15:09	1
Bromomethane	<6.3		6.3	2.3	ug/Kg	☼		09/24/15 15:09	1
Carbon disulfide	<6.3		6.3	2.3	ug/Kg	☼		09/24/15 15:09	1
Carbon tetrachloride	<6.3		6.3	1.3	ug/Kg	☼		09/24/15 15:09	1
Chlorobenzene	<6.3		6.3	1.5	ug/Kg	☼		09/24/15 15:09	1
Chloroethane	<6.3		6.3	2.6	ug/Kg	☼		09/24/15 15:09	1
Chloroform	<6.3		6.3	1.2	ug/Kg	☼		09/24/15 15:09	1
Chloromethane	<6.3		6.3	1.5	ug/Kg	☼		09/24/15 15:09	1
cis-1,2-Dichloroethene	<6.3		6.3	1.3	ug/Kg	☼		09/24/15 15:09	1
cis-1,3-Dichloropropene	<6.3		6.3	1.4	ug/Kg	☼		09/24/15 15:09	1
Dibromochloromethane	<6.3		6.3	0.72	ug/Kg	☼		09/24/15 15:09	1
1,1-Dichloroethane	<6.3		6.3	1.3	ug/Kg	☼		09/24/15 15:09	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		09/24/15 15:09	1
1,1-Dichloroethene	<6.3		6.3	2.3	ug/Kg	☼		09/24/15 15:09	1
1,2-Dichloropropane	<6.3		6.3	1.6	ug/Kg	☼		09/24/15 15:09	1
1,3-Dichloropropene, Total	<6.3		6.3	1.8	ug/Kg	☼		09/24/15 15:09	1
Ethylbenzene	<6.3		6.3	1.6	ug/Kg	☼		09/24/15 15:09	1
2-Hexanone	<6.3		6.3	1.9	ug/Kg	☼		09/24/15 15:09	1
Methylene Chloride	<6.3		6.3	4.7	ug/Kg	☼		09/24/15 15:09	1
Methyl Ethyl Ketone	<6.3		6.3	2.2	ug/Kg	☼		09/24/15 15:09	1
methyl isobutyl ketone	<6.3		6.3	1.3	ug/Kg	☼		09/24/15 15:09	1
Methyl tert-butyl ether	<6.3		6.3	1.5	ug/Kg	☼		09/24/15 15:09	1
Styrene	<6.3		6.3	1.5	ug/Kg	☼		09/24/15 15:09	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	0.99	ug/Kg	☼		09/24/15 15:09	1
Tetrachloroethene	<6.3		6.3	1.3	ug/Kg	☼		09/24/15 15:09	1
Toluene	<6.3		6.3	2.2	ug/Kg	☼		09/24/15 15:09	1
trans-1,2-Dichloroethene	<6.3		6.3	1.6	ug/Kg	☼		09/24/15 15:09	1
trans-1,3-Dichloropropene	<6.3		6.3	1.8	ug/Kg	☼		09/24/15 15:09	1
1,1,1-Trichloroethane	<6.3		6.3	1.5	ug/Kg	☼		09/24/15 15:09	1
1,1,2-Trichloroethane	<6.3		6.3	1.2	ug/Kg	☼		09/24/15 15:09	1
Trichloroethene	<6.3		6.3	1.7	ug/Kg	☼		09/24/15 15:09	1
Vinyl chloride	<6.3		6.3	1.5	ug/Kg	☼		09/24/15 15:09	1
Xylenes, Total	<13		13	2.3	ug/Kg	☼		09/24/15 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*09/24/15 15:09*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*09/24/15 15:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*09/24/15 15:09*	*1*
Toluene-d8 (Surr)	*109*		*75 - 122*		*09/24/15 15:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
1,4-Dichlorobenzene	<210		210	52	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1

Client Sample ID: WG-1(0-1.5)-092315
Date Collected: 09/23/15 09:38
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-7
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	93	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2,4-Dimethylphenol	<410		410	150	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2,6-Dinitrotoluene	<210		210	80	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2-Methylnaphthalene	<41		41	7.5	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2-Methylphenol	<210		210	65	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
2-Nitrophenol	<410		410	96	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Acenaphthene	**37**	**J**	41	7.3	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Acenaphthylene	**14**	**J**	41	5.4	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Anthracene	**120**		41	6.8	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Benzo[a]anthracene	**700**		41	5.5	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Benzo[a]pyrene	**740**		41	7.9	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Benzo[b]fluoranthene	**1400**		41	8.8	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Benzo[g,h,i]perylene	**320**		41	13	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Benzo[k]fluoranthene	**390**		41	12	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Bis(2-ethylhexyl) phthalate	**76**	**J**	210	75	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Carbazole	<210		210	100	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Chrysene	**820**		41	11	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Dibenz(a,h)anthracene	**73**		41	7.9	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Dibenzofuran	<210		210	48	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Fluoranthene	**1300**		41	7.6	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Fluorene	**34**	**J**	41	5.7	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Hexachlorobenzene	<82		82	9.5	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Hexachloroethane	<210		210	62	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1

Client Sample ID: WG-1(0-1.5)-092315
Date Collected: 09/23/15 09:38
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-7
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**390**		41	11	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Isophorone	<210		210	46	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Naphthalene	**8.4**	**J**	41	6.3	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Nitrobenzene	<41		41	10	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
N-Nitrosodi-n-propylamine	<210		210	50	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Phenanthrene	**720**		41	5.7	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Phenol	<210		210	91	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1
Pyrene	**2300**		41	8.1	ug/Kg	☼	09/24/15 07:09	10/01/15 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*35 - 137*	*09/24/15 07:09*	*10/01/15 03:00*	*1*
2-Fluorobiphenyl	*96*		*25 - 119*	*09/24/15 07:09*	*10/01/15 03:00*	*1*
2-Fluorophenol	*115*	*X*	*25 - 110*	*09/24/15 07:09*	*10/01/15 03:00*	*1*
Nitrobenzene-d5	*99*		*25 - 115*	*09/24/15 07:09*	*10/01/15 03:00*	*1*
Phenol-d5	*87*		*31 - 110*	*09/24/15 07:09*	*10/01/15 03:00*	*1*
Terphenyl-d14	*193*	*X*	*36 - 134*	*09/24/15 07:09*	*10/01/15 03:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/15 11:00	10/01/15 22:28	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		09/30/15 11:00	09/30/15 22:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 11:00	09/30/15 22:43	1
Cadmium	**0.0045**	**J**	0.0050	0.0020	mg/L		09/30/15 11:00	09/30/15 22:43	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:43	1
Cobalt	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:43	1
Copper	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:43	1
Iron	<0.20		0.20	0.20	mg/L		09/30/15 11:00	09/30/15 22:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/30/15 11:00	10/01/15 22:28	1
Manganese	**0.30**		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:43	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:43	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 11:00	10/01/15 22:28	1
Silver	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:43	1
Zinc	**0.063**	**J B**	0.10	0.020	mg/L		09/30/15 11:00	09/30/15 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.074**		0.050	0.010	mg/L		09/30/15 13:00	10/01/15 15:00	1
Barium	**0.73**		0.50	0.050	mg/L		09/30/15 13:00	10/01/15 15:00	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		09/30/15 13:00	10/01/15 15:00	1
Cadmium	**0.0098**		0.0050	0.0020	mg/L		09/30/15 13:00	10/01/15 15:00	1
Chromium	**0.24**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:00	1
Cobalt	**0.047**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:00	1
Copper	**0.27**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:00	1
Iron	**180**		0.20	0.20	mg/L		09/30/15 13:00	10/01/15 15:00	1
Lead	**0.26**		0.0075	0.0075	mg/L		09/30/15 13:00	10/01/15 15:00	1
Manganese	**1.5**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:00	1
Nickel	**0.18**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:00	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 13:00	10/01/15 15:00	1

Client Sample ID: WG-1(0-1.5)-092315
Date Collected: 09/23/15 09:38
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-7
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 15:00	1
Zinc	**0.96**	**B**	0.10	0.020	mg/L		09/30/15 13:00	10/01/15 15:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.26	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Arsenic	**9.5**		0.62	0.29	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Barium	**72**		0.62	0.11	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Beryllium	**0.66**		0.25	0.054	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Cadmium	**0.59**		0.12	0.036	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Calcium	**8000**		12	4.0	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Chromium	**19**		0.62	0.11	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Cobalt	**10**		0.31	0.070	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Copper	**26**		0.62	0.13	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Iron	**19000**		12	4.8	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Lead	**46**		0.31	0.15	mg/Kg	☼	09/29/15 12:00	09/30/15 18:16	1
Magnesium	**5600**		6.2	2.5	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Manganese	**400**		0.62	0.12	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Nickel	**24**		0.62	0.17	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Potassium	**1500**		31	5.1	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Selenium	**0.61**	**J**	0.62	0.31	mg/Kg	☼	09/29/15 12:00	09/30/15 18:16	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Sodium	**3100**		62	8.2	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Vanadium	**25**		0.31	0.091	mg/Kg	☼	09/29/15 12:00	09/29/15 19:30	1
Zinc	**85**		1.2	0.39	mg/Kg	☼	09/29/15 12:00	09/30/15 18:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 11:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 10:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**52**		19	6.6	ug/Kg	☼	09/25/15 15:30	09/28/15 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.93**		0.200	0.200	SU			09/29/15 13:26	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101614-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101614

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 5.8

Report To (optional)		Bill To (optional)	
Contact:	S. Babusukumare	Contact:	SAME
Company:	Weston Solutions Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7836	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative
Weston Solutions	02056.014.029.0036	
Project Name		Parameter
IDOT 029-IL 38 (Roosevelt Rd)		
Project Location/State	Lab Project #	
Oakbrook Terrace/Villa Park, IL		
Sampler	Lab PM	
A. Turkasz	D. Wright	

Preservative Key
1. HCL, Cool to 4°
2. [illegible] to 4°
3. 4°
4. 4°
5. [illegible] to 4°

500-101614 COC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS TCLP/SPLP Method	PH					Comments
							7	7	7	7	7				
1		TH-2(0-1.5)-092315	9/23/15	0758	2		X	X	X	X	X				
2		TH-1(0-1)-092315	9/23/15	0805	2										
3		~~TH~~ CB27-2(0-2)-092315	9/23/15	0820	2										
4		CB27-1(0-2)-092315	9/23/15	0840	2										
5		WG-3(0-1.5)-092315	9/23/15	0852	2										
6		WG-2(0-1.5)-092315	9/23/15	0922	2										
7		WG-1(0-1.5)-092315	9/23/15	0938	2										
8		BA-4(0-1)-092315	9/23/15	1003	2										
9		BA-3(0-1)-092315	9/23/15	1013	2										
10		BA-2(0-1)-092315	9/23/15	1025	2		X	X	X	X	X				

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/23/2015	1605		TA	9/23/15	1605
	TA	9/23/15	1720		TA-CHI	09/23/15	1720

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101614

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 5.8

Report To (optional)		Bill To (optional)	
Contact:	S. Babusukumar	Contact:	SAME
Company:	Weston Solutions Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7886	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #
Weston Solutions	02056.014.029.0030
Project Name	
IDOT 029 - IL 38 (Roosevelt Rd)	
Project Location/State	Lab Project #
Oak Brook Terrace / Villa Park IL	
Sampler	Lab PM
A. Turkasz	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	HR	Comments
							7	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	HR	
11		BA-1(0-1)-092315	9/23/15	658	2			X	X	X	X	X	
12		SC-3(0-1)-092315	9/23/15	1113	2			↓	↓	↓	↓	↓	
13		SC-3(0-1)-092315D	9/23/15	1113	2			↓	↓	↓	↓	↓	
14		SC-2(0-2)-092315	9/23/15	1133	2			↓	↓	↓	↓	↓	
15		SC-1(0-1.5)-092315	9/23/15	1150	2			X	X	X	X	X	

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/23/2015	1605		TA	9/23/15	1605
	TA	9/23/15	1720		TA-CHI	09/23/15	17:20

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

10/2/2015

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
17W619 Roosevelt Road (ISGS Site No. 2482V-15)

City: Oakbrook Terrace State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860374874 (Decimal Degrees) Longitude: -87.972865537 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860374874 Longitude: -87.972865537

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS SE-1 AND SE-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2482V-15. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101490-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

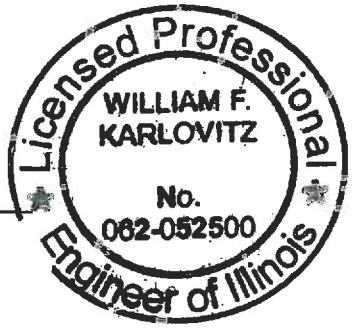
City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:



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

Summary Table of ISGS Site No. 2482V-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	SE-1(0-3.5)-092115	SE-2(0-3.5)-092115	Soil Reference Concentrations[A]
Sample Date	9/21/2015	9/21/2015	
Depth	0 - 3.5	0 - 3.5	
ISGS Site No.	2482V-15	2482V-15	
Parameter			
Laboratory pH	8.60	8.98	<6.25, >9.0
VOCs	**None Detected**		
SVOCs (ug/kg)			
Anthracene	ND	11 J	1.20E+07
Benzo(a)anthracene	50	85	900 / 1100 / 1800
Benzo(a)pyrene	70	110	90 / 1300 / 2100
Benzo(b)fluoranthene	110	200	900 / 1500 / 2100
Benzo(g,h,i)perylene	30 J	42	---
Benzo(k)fluoranthene	42	59	9000
Chrysene	67	110	88000
Fluoranthene	110	190	3100000
Indeno(1,2,3-cd)pyrene	42	56	900 / 900 / 1600
Phenanthrene	40	73	---
Pyrene	140	250	2300000
Total Metals (mg/kg)			
Antimony, Total	1 J	0.84 J	5
Arsenic, Total	13 J	12 J	11.3 / 13.0
Barium, Total	58	48	1500
Beryllium, Total	0.73	0.74	22
Cadmium, Total	0.61	0.61	5.2
Calcium, Total	57000 J	37000 J	---
Chromium, Total	17 J+	19 J+	21
Cobalt, Total	9 J-	13 J-	20
Copper, Total	41 J	35 J	2900
Iron, Total	21000 J	24000 J	15000 / 15900
Lead, Total	16 J	21 J	107
Magnesium, Total	27000 J	22000 J	325000
Manganese, Total	270 J-	380 J-	630 / 636
Mercury, Total	0.044 J+	0.045 J+	0.89
Nickel, Total	21 J-	30 J-	100
Potassium, Total	1900 J+	2700 J+	---
Selenium, Total	0.84	1.2	1.3
Silver, Total	0.11 J	0.098 J	4.4
Sodium, Total	210	1400	---
Thallium, Total	0.33 J	ND	2.6
Vanadium, Total	24 J+	23 J+	550
Zinc, Total	44 J-	62 J-	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.36 J	0.42 J	2
Manganese, TCLP	0.015 J	0.48	0.15
Zinc, TCLP	0.02 J	0.079 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.015 J	0.069	0.05
Barium, SPLP	0.31 J	0.62	2
Beryllium, SPLP	ND	0.0062	0.004
Cadmium, SPLP	ND	0.0028 J	0.005
Chromium, SPLP	0.051 J	0.13 J	0.1
Cobalt, SPLP	ND	0.036	1
Copper, SPLP	0.075 J	0.2 J	0.65
Iron, SPLP	50 J	150 J	5
Lead, SPLP	0.035 J	0.14 J	0.0075
Manganese, SPLP	0.23 J	0.71 J	0.15
Mercury, SPLP	ND	0.00028	0.002
Nickel, SPLP	0.053 J	0.18 J	0.1
Zinc, SPLP	0.36 J	0.64 J	5

Summary Table of ISGS Site No. 2482V-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101490-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/30/2015 4:19:14 PM

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

Client Sample ID: SE-1(0-3.5)-092115
Date Collected: 09/21/15 12:55
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-10
Matrix: Solid
Percent Solids: 82.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		09/23/15 14:02	1
Benzene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 14:02	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		09/23/15 14:02	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 14:02	1
Bromomethane	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 14:02	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 14:02	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 14:02	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 14:02	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		09/23/15 14:02	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 14:02	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 14:02	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 14:02	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 14:02	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		09/23/15 14:02	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 14:02	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		09/23/15 14:02	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 14:02	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		09/23/15 14:02	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 14:02	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 14:02	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		09/23/15 14:02	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		09/23/15 14:02	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 14:02	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 14:02	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 14:02	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 14:02	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.97	ug/Kg	☼		09/23/15 14:02	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 14:02	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		09/23/15 14:02	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 14:02	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 14:02	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 14:02	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 14:02	1
Trichloroethene	<6.1		6.1	1.6	ug/Kg	☼		09/23/15 14:02	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 14:02	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		09/23/15 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 122*		*09/23/15 14:02*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*09/23/15 14:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*09/23/15 14:02*	*1*
Toluene-d8 (Surr)	*105*		*75 - 122*		*09/23/15 14:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1

Client Sample ID: SE-1(0-3.5)-092115
Date Collected: 09/21/15 12:55
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-10
Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Anthracene	<39		39	6.6	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Benzo[a]anthracene	**50**		39	5.3	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Benzo[a]pyrene	**70**		39	7.7	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Benzo[b]fluoranthene	**110**		39	8.6	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Benzo[g,h,i]perylene	**30**	**J**	39	13	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Benzo[k]fluoranthene	**42**		39	12	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Carbazole	<200		200	99	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Chrysene	**67**		39	11	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Fluoranthene	**110**		39	7.3	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Fluorene	<39		39	5.6	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1

Client Sample ID: SE-1(0-3.5)-092115
Date Collected: 09/21/15 12:55
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-10
Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**42**		39	10	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Isophorone	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Naphthalene	<39		39	6.1	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Phenanthrene	**40**		39	5.5	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Phenol	<200		200	88	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1
Pyrene	**140**		39	7.9	ug/Kg	☼	09/23/15 07:25	09/28/15 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*09/23/15 07:25*	*09/28/15 17:39*	*1*
2-Fluorobiphenyl	*82*		*25 - 119*	*09/23/15 07:25*	*09/28/15 17:39*	*1*
2-Fluorophenol	*109*		*25 - 110*	*09/23/15 07:25*	*09/28/15 17:39*	*1*
Nitrobenzene-d5	*84*		*25 - 115*	*09/23/15 07:25*	*09/28/15 17:39*	*1*
Phenol-d5	*97*		*31 - 110*	*09/23/15 07:25*	*09/28/15 17:39*	*1*
Terphenyl-d14	*140*	*X*	*36 - 134*	*09/23/15 07:25*	*09/28/15 17:39*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:12	09/30/15 13:45	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		09/29/15 13:12	09/30/15 13:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:12	09/30/15 13:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:12	09/30/15 13:45	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:45	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:45	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:45	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:12	09/30/15 13:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:12	09/30/15 13:45	1
Manganese	**0.015**	**J**	0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:45	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:45	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:12	09/30/15 13:45	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:45	1
Zinc	**0.020**	**J**	0.10	0.020	mg/L		09/29/15 13:12	09/30/15 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.015**	**J**	0.050	0.010	mg/L		09/24/15 11:00	09/24/15 20:12	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		09/24/15 11:00	09/24/15 20:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 11:00	09/24/15 20:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/24/15 11:00	09/24/15 20:12	1
Chromium	**0.051**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:12	1
Cobalt	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:12	1
Copper	**0.075**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:12	1
Iron	**50**		0.20	0.20	mg/L		09/24/15 11:00	09/24/15 20:12	1
Lead	**0.035**		0.0075	0.0075	mg/L		09/24/15 11:00	09/24/15 20:12	1
Manganese	**0.23**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:12	1
Nickel	**0.053**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:12	1
Selenium	<0.050		0.050	0.020	mg/L		09/24/15 11:00	09/24/15 20:12	1

Client Sample ID: SE-1(0-3.5)-092115
Date Collected: 09/21/15 12:55
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-10
Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:12	1
Zinc	**0.36**	**B**	0.10	0.020	mg/L		09/24/15 11:00	09/24/15 20:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J**	1.1	0.24	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Arsenic	**13**		0.57	0.26	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Barium	**58**		0.57	0.10	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Beryllium	**0.73**		0.23	0.050	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Cadmium	**0.61**		0.11	0.033	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Calcium	**57000**		11	3.7	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Chromium	**17**		0.57	0.098	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Cobalt	**9.0**		0.29	0.065	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Copper	**41**	**B**	0.57	0.12	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Iron	**21000**		11	4.4	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Lead	**16**	**B**	0.29	0.14	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Magnesium	**27000**		5.7	2.3	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Manganese	**270**		0.57	0.11	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Nickel	**21**		0.57	0.16	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Potassium	**1900**		29	4.7	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Selenium	**0.84**		0.57	0.28	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Silver	**0.11**	**J**	0.29	0.067	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Sodium	**210**		57	7.6	mg/Kg	☼	09/28/15 12:00	09/29/15 02:08	1
Thallium	**0.33**	**J**	0.57	0.28	mg/Kg	☼	09/28/15 12:00	09/29/15 02:08	1
Vanadium	**24**		0.29	0.084	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1
Zinc	**44**		1.1	0.36	mg/Kg	☼	09/28/15 12:00	09/28/15 18:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 09:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**44**		19	6.7	ug/Kg	☼	09/23/15 15:30	09/24/15 11:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.60**		0.200	0.200	SU			09/26/15 10:50	1

Client Sample ID: SE-2(0-3.5)-092115
Date Collected: 09/21/15 13:05
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-11
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		09/23/15 14:27	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		09/23/15 14:27	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/23/15 14:27	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 14:27	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		09/23/15 14:27	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		09/23/15 14:27	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		09/23/15 14:27	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 14:27	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		09/23/15 14:27	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 14:27	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 14:27	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 14:27	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 14:27	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		09/23/15 14:27	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 14:27	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		09/23/15 14:27	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		09/23/15 14:27	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		09/23/15 14:27	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		09/23/15 14:27	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		09/23/15 14:27	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		09/23/15 14:27	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		09/23/15 14:27	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		09/23/15 14:27	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 14:27	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 14:27	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 14:27	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		09/23/15 14:27	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 14:27	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		09/23/15 14:27	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		09/23/15 14:27	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		09/23/15 14:27	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 14:27	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 14:27	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		09/23/15 14:27	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 14:27	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/23/15 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 122*		*09/23/15 14:27*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*09/23/15 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*09/23/15 14:27*	*1*
Toluene-d8 (Surr)	*107*		*75 - 122*		*09/23/15 14:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1

Client Sample ID: SE-2(0-3.5)-092115
Date Collected: 09/21/15 13:05
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-11
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2-Methylnaphthalene	<39		39	7.1	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2-Methylphenol	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Anthracene	**11**	**J**	39	6.5	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Benzo[a]anthracene	**85**		39	5.2	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Benzo[a]pyrene	**110**		39	7.5	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Benzo[b]fluoranthene	**200**		39	8.4	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Benzo[g,h,i]perylene	**42**		39	13	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Benzo[k]fluoranthene	**59**		39	11	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Carbazole	<200		200	97	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Chrysene	**110**		39	11	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Dibenzofuran	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Fluoranthene	**190**		39	7.2	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Fluorene	<39		39	5.5	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Hexachloroethane	<200		200	59	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1

Client Sample ID: SE-2(0-3.5)-092115
Date Collected: 09/21/15 13:05
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-11
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**56**		39	10	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Isophorone	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
N-Nitrosodi-n-propylamine	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Phenanthrene	**73**		39	5.4	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Phenol	<200		200	86	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1
Pyrene	**250**		39	7.7	ug/Kg	☼	09/23/15 07:25	09/28/15 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*35 - 137*	*09/23/15 07:25*	*09/28/15 18:09*	*1*
2-Fluorobiphenyl	*84*		*25 - 119*	*09/23/15 07:25*	*09/28/15 18:09*	*1*
2-Fluorophenol	*106*		*25 - 110*	*09/23/15 07:25*	*09/28/15 18:09*	*1*
Nitrobenzene-d5	*92*		*25 - 115*	*09/23/15 07:25*	*09/28/15 18:09*	*1*
Phenol-d5	*99*		*31 - 110*	*09/23/15 07:25*	*09/28/15 18:09*	*1*
Terphenyl-d14	*153*	*X*	*36 - 134*	*09/23/15 07:25*	*09/28/15 18:09*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:12	09/30/15 13:52	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		09/29/15 13:12	09/30/15 13:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:12	09/30/15 13:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:12	09/30/15 13:52	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:52	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:52	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:52	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:12	09/30/15 13:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:12	09/30/15 13:52	1
Manganese	**0.48**		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:52	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:52	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:12	09/30/15 13:52	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 13:52	1
Zinc	**0.079**	**J**	0.10	0.020	mg/L		09/29/15 13:12	09/30/15 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.069**		0.050	0.010	mg/L		09/24/15 11:00	09/24/15 20:16	1
Barium	**0.62**		0.50	0.050	mg/L		09/24/15 11:00	09/24/15 20:16	1
Beryllium	**0.0062**		0.0040	0.0040	mg/L		09/24/15 11:00	09/24/15 20:16	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		09/24/15 11:00	09/24/15 20:16	1
Chromium	**0.13**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:16	1
Cobalt	**0.036**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:16	1
Copper	**0.20**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:16	1
Iron	**150**		0.20	0.20	mg/L		09/24/15 11:00	09/24/15 20:16	1
Lead	**0.14**		0.038	0.038	mg/L		09/24/15 11:00	09/25/15 15:13	5
Manganese	**0.71**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:16	1
Nickel	**0.18**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:16	1
Selenium	<0.050		0.050	0.020	mg/L		09/24/15 11:00	09/24/15 20:16	1

Client Sample ID: SE-2(0-3.5)-092115
Date Collected: 09/21/15 13:05
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-11
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 20:16	1
Zinc	**0.64**	**B**	0.10	0.020	mg/L		09/24/15 11:00	09/24/15 20:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.84**	**J**	1.2	0.25	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Arsenic	**12**		0.59	0.27	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Barium	**48**		0.59	0.11	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Beryllium	**0.74**		0.24	0.051	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Cadmium	**0.61**		0.12	0.034	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Calcium	**37000**		12	3.8	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Chromium	**19**		0.59	0.10	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Cobalt	**13**		0.30	0.067	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Copper	**35**	**B**	0.59	0.13	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Iron	**24000**		12	4.6	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Lead	**21**	**B**	0.30	0.15	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Magnesium	**22000**		5.9	2.4	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Manganese	**380**		0.59	0.12	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Nickel	**30**		0.59	0.16	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Potassium	**2700**		30	4.8	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Selenium	**1.2**		0.59	0.29	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Silver	**0.098**	**J**	0.30	0.069	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Sodium	**1400**		59	7.8	mg/Kg	☼	09/28/15 12:00	09/29/15 02:13	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	09/28/15 12:00	09/29/15 02:13	1
Vanadium	**23**		0.30	0.087	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1
Zinc	**62**		1.2	0.38	mg/Kg	☼	09/28/15 12:00	09/28/15 19:03	1

Method: 7470A - Mercury (CVAA) - TCLP

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 09:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**45**		17	6.1	ug/Kg	☼	09/23/15 15:30	09/24/15 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.98**		0.200	0.200	SU			09/26/15 10:53	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101490-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-101490 COC

Chain of Custody Record

Lab Job #: 500-101490

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.8

Report To (optional)	Bill To (optional)
Contact: S. Bahosy Kunkim	Contact: SAME
Company: Weston Solutions	Company:
Address: 300 Plaza Circle, Ste 202	Address:
Address: Lindelein, IL 60060	Address:
Phone: 224-864-7250	Phone:
Fax: 724-864-7236	Fax:
E-Mail:	PO#/Reference#

Client	Client Project #
Weston Solutions	02056-014.029-0030
Project Name: IDOT 029 - IL38 (Roosevelt Rd)	
Project Location/State: Oak Brook Terrace/Villa Park, IL	Lab Project #
Sampler: M. Doheny-Skibic	Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		BHB-1(0-2)-092115	9-21-15	0858	2	S		X	X	X	X	X					
2		BHB-1(0-2)-092115D		0858													
3		BHB-2(0-2)-092115		0923													
4		BHB-3(0-2)-092115		0940													
5		CB5-1(0-1)-092115		0955													
6		CB5-2(0-1)-092115		1009													
7		CB6-1(0-3.5)-092115		1215													
8		CB6-2(0-3.5)-092115		1230													
9		CB6-3(0-3.5)-092115		1240													
10		SE-1(0-3.5)-092115	9-21-15	1255	2	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	9-21-15		B. Neal	TA	9/21/15	1600
B. Neal	TA	9/21/15	1657	[illegible]	TA-CHT	9/22/15	0730
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-590 (1209)

9/30/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101490

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

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

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

Client: Weston Solutions.
Client Project #: 02056.014.029.00
Project Name: IDOT 029-IL38 (Roosevelt Rd)
Project Location/State: Oakbrook Terrace/Villa Park, IL
Lab Project #:
Sampler: M. Doheny-SKubic
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP Metals	pH	Comments
11		SE-2(0-3.5)-092115	9-21-15	1305	2	S	X	X	X	X	X	
12		AZ-1(0-1)-092115	9-21-15	1318								
13		AZ-1(0-1)-092115D		1318								
14		BB-1(0-1)-092115		1333								
15		CB28-1(0-1)-092115		1346								
16		GP-1(0-2)-092115		1400								
17		GP-2(0-2)-092115		1417								
18		GP-3(0-2)-092115		1432								
19		ITS-5(0-3.5)-092115		1458								
20		ITS-4(0-3.5)-092115	9-21-15	1504	2	S	X	X	X	X	X	

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

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

	Company	Date	Time
Relinquished By: [illegible]	Weston	9-21-15	
Relinquished By: [illegible]	TA	9/21/15	1657
Relinquished By	Company	Date	Time
Received By: [illegible]	TA	9/21/15	1600
Received By: [illegible]	TA-CAN	9/22/15	0730
Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124 (500) (1209)

9/30/2015

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
240 E. Roosevelt Road (ISGS Site No. 2482V-27)

City: Villa Park State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860741024 (Decimal Degrees) Longitude: -87.971776666 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860741024 Longitude: -87.971776666

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS CB27-1 AND CB27-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2482V-27. SEE FIGURE 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101614-1.
ALSO SEE FIGURE 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

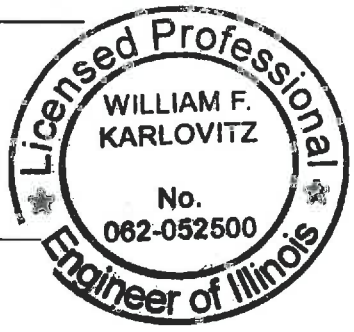
Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

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



Summary Table of ISGS Site No. 2482V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	CB27-1(0-2)-092315	CB27-2(0-2)-092315	Soil Reference Concentrations[A]
Sample Date	9/23/2015	9/23/2015	
Depth	0 - 2	0 - 2	
ISGS Site No.	2482V-27	2482V-27	
Parameter			
Laboratory pH	8.93	8.60	<6.25, >9.0
VOCs	**None Detected**		
SVOCs (ug/kg)			
2-Methylnaphthalene	12 J	ND	---
Acenaphthene	48	28 J	570000
Acenaphthylene	12 J	13 J	---
Anthracene	140	92	1.20E+07
Benzo(a)anthracene	610	610	900 / 1100 / 1800
Benzo(a)pyrene	620	720	90 / 1300 / 2100
Benzo(b)fluoranthene	1800	1100	900 / 1500 / 2100
Benzo(g,h,i)perylene	550	400	---
Benzo(k)fluoranthene	670	480	9000
Chrysene	700	710	88000
Dibenzo(a,h)anthracene	82	96	90 / 200 / 420
Fluoranthene	1200	1500	3100000
Fluorene	31 J	26 J	560000
Indeno(1,2,3-cd)pyrene	310	410	900 / 900 / 1600
Naphthalene, SVOC	11 J	ND	1800
Phenanthrene	530	570	---
Pyrene	2000	1100	2300000
Total Metals (mg/kg)			
Arsenic, Total	8.3 J-	10 J-	11.3 / 13.0
Barium, Total	55	83	1500
Beryllium, Total	0.54	0.66	22
Cadmium, Total	0.22 J-	0.35 J-	5.2
Calcium, Total	74000 J	8100 J	---
Chromium, Total	13	17	21
Cobalt, Total	9.7	13	20
Copper, Total	20 J-	26 J-	2900
Iron, Total	14000 J-	20000 J-	15000 / 15900
Lead, Total	27 J-	54 J-	107
Magnesium, Total	33000 J	6000 J	325000
Manganese, Total	320 J	520 J	630 / 636
Mercury, Total	0.038	0.075	0.89
Nickel, Total	22	26	100
Potassium, Total	1400 J+	1700 J+	---
Selenium, Total	ND	0.3 J	1.3
Sodium, Total	720 J-	930 J-	---
Vanadium, Total	19	25	550
Zinc, Total	58	100	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.31 J	0.34 J	2
Cadmium, TCLP	0.0021 J	0.0021 J	0.005
Manganese, TCLP	0.62	0.18	0.15
Zinc, TCLP	0.12 B	ND	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.08	0.047 J	0.05
Barium, SPLP	0.55	0.39 J	2
Beryllium, SPLP	0.0061	ND	0.004
Chromium, SPLP	0.13	0.082	0.1
Cobalt, SPLP	0.04	0.025	1
Copper, SPLP	0.21	0.12	0.65
Iron, SPLP	160 J+	92 J+	5
Lead, SPLP	0.13	0.2	0.0075
Manganese, SPLP	0.94	0.79	0.15
Nickel, SPLP	0.16	0.085	0.1
Zinc, SPLP	0.5 B	0.52 B	5

Summary Table of ISGS Site No. 2482V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101614-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/2/2015 2:33:17 PM

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

Client Sample ID: CB27-2(0-2)-092315
Date Collected: 09/23/15 08:20
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-3
Matrix: Solid
Percent Solids: 84.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		09/24/15 13:29	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		09/24/15 13:29	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/24/15 13:29	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		09/24/15 13:29	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		09/24/15 13:29	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		09/24/15 13:29	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		09/24/15 13:29	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		09/24/15 13:29	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		09/24/15 13:29	1
Chloroform	<5.9		5.9	1.2	ug/Kg	☼		09/24/15 13:29	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		09/24/15 13:29	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/24/15 13:29	1
cis-1,3-Dichloropropene	<5.9		5.9	1.4	ug/Kg	☼		09/24/15 13:29	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		09/24/15 13:29	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/24/15 13:29	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		09/24/15 13:29	1
1,1-Dichloroethene	<5.9		5.9	2.2	ug/Kg	☼		09/24/15 13:29	1
1,2-Dichloropropane	<5.9		5.9	1.6	ug/Kg	☼		09/24/15 13:29	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		09/24/15 13:29	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		09/24/15 13:29	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		09/24/15 13:29	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		09/24/15 13:29	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		09/24/15 13:29	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		09/24/15 13:29	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		09/24/15 13:29	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		09/24/15 13:29	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		09/24/15 13:29	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/24/15 13:29	1
Toluene	<5.9		5.9	2.1	ug/Kg	☼		09/24/15 13:29	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		09/24/15 13:29	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		09/24/15 13:29	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		09/24/15 13:29	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		09/24/15 13:29	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		09/24/15 13:29	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		09/24/15 13:29	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/24/15 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*09/24/15 13:29*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*09/24/15 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*09/24/15 13:29*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*09/24/15 13:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1

Client Sample ID: CB27-2(0-2)-092315
Date Collected: 09/23/15 08:20
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-3
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2-Methylnaphthalene	<39		39	7.1	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2-Methylphenol	<200		200	62	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Acenaphthene	**28**	**J**	39	7.0	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Acenaphthylene	**13**	**J**	39	5.1	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Anthracene	**92**		39	6.5	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Benzo[a]anthracene	**610**		39	5.2	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Benzo[a]pyrene	**720**		39	7.5	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Benzo[b]fluoranthene	**1100**		39	8.4	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Benzo[g,h,i]perylene	**400**		39	12	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Benzo[k]fluoranthene	**480**		39	11	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Carbazole	<200		200	97	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Chrysene	**710**		39	11	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Dibenz(a,h)anthracene	**96**		39	7.5	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Dibenzofuran	<200		200	45	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Fluoranthene	**1500**		39	7.2	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Fluorene	**26**	**J**	39	5.5	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Hexachloroethane	<200		200	59	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1

Client Sample ID: CB27-2(0-2)-092315
Date Collected: 09/23/15 08:20
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-3
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**410**		39	10	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Isophorone	<200		200	44	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
N-Nitrosodi-n-propylamine	<200		200	47	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Phenanthrene	**570**		39	5.4	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Phenol	<200		200	86	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1
Pyrene	**1100**		39	7.7	ug/Kg	☼	09/24/15 07:09	09/30/15 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*131*		*35 - 137*	*09/24/15 07:09*	*09/30/15 00:22*	*1*
2-Fluorobiphenyl	*100*		*25 - 119*	*09/24/15 07:09*	*09/30/15 00:22*	*1*
2-Fluorophenol	*96*		*25 - 110*	*09/24/15 07:09*	*09/30/15 00:22*	*1*
Nitrobenzene-d5	*113*		*25 - 115*	*09/24/15 07:09*	*09/30/15 00:22*	*1*
Phenol-d5	*109*		*31 - 110*	*09/24/15 07:09*	*09/30/15 00:22*	*1*
Terphenyl-d14	*113*		*36 - 134*	*09/24/15 07:09*	*09/30/15 00:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/15 11:00	10/01/15 21:45	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/30/15 11:00	09/30/15 22:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 11:00	09/30/15 22:16	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		09/30/15 11:00	09/30/15 22:16	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:16	1
Cobalt	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:16	1
Copper	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:16	1
Iron	<0.20		0.20	0.20	mg/L		09/30/15 11:00	09/30/15 22:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/30/15 11:00	10/01/15 21:45	1
Manganese	**0.18**		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:16	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:16	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 11:00	10/01/15 21:45	1
Silver	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:16	1
Zinc	**0.038**	**J B**	0.10	0.020	mg/L		09/30/15 11:00	09/30/15 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.047**	**J**	0.050	0.010	mg/L		09/30/15 13:00	10/01/15 14:17	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		09/30/15 13:00	10/01/15 14:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 13:00	10/01/15 14:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/15 13:00	10/01/15 14:17	1
Chromium	**0.082**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:17	1
Cobalt	**0.025**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:17	1
Copper	**0.12**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:17	1
Iron	**92**		0.20	0.20	mg/L		09/30/15 13:00	10/01/15 14:17	1
Lead	**0.20**		0.0075	0.0075	mg/L		09/30/15 13:00	10/01/15 14:17	1
Manganese	**0.79**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:17	1
Nickel	**0.085**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:17	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 13:00	10/01/15 14:17	1

Client Sample ID: CB27-2(0-2)-092315
Date Collected: 09/23/15 08:20
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-3
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:17	1
Zinc	**0.52**	**B**	0.10	0.020	mg/L		09/30/15 13:00	10/01/15 14:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Arsenic	**10**		0.59	0.27	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Barium	**83**		0.59	0.11	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Beryllium	**0.66**		0.23	0.051	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Cadmium	**0.35**		0.12	0.034	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Calcium	**8100**		12	3.8	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Chromium	**17**		0.59	0.10	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Cobalt	**13**		0.29	0.066	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Copper	**26**		0.59	0.13	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Iron	**20000**		12	4.5	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Lead	**54**		0.29	0.15	mg/Kg	☼	09/29/15 12:00	09/30/15 17:42	1
Magnesium	**6000**		5.9	2.4	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Manganese	**520**		0.59	0.12	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Nickel	**26**		0.59	0.16	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Potassium	**1700**		29	4.8	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Selenium	**0.30**	**J ^**	0.59	0.29	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Sodium	**930**		59	7.7	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Vanadium	**25**		0.29	0.086	mg/Kg	☼	09/29/15 12:00	09/29/15 19:03	1
Zinc	**100**		1.2	0.37	mg/Kg	☼	09/29/15 12:00	09/30/15 17:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 10:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**75**		18	6.2	ug/Kg	☼	09/25/15 15:30	09/28/15 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.60**		0.200	0.200	SU			09/29/15 13:02	1

Client Sample ID: CB27-1(0-2)-092315
Date Collected: 09/23/15 08:40
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-4
Matrix: Solid
Percent Solids: 85.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		09/24/15 13:54	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		09/24/15 13:54	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		09/24/15 13:54	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		09/24/15 13:54	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		09/24/15 13:54	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		09/24/15 13:54	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		09/24/15 13:54	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		09/24/15 13:54	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		09/24/15 13:54	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		09/24/15 13:54	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		09/24/15 13:54	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		09/24/15 13:54	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		09/24/15 13:54	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		09/24/15 13:54	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		09/24/15 13:54	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		09/24/15 13:54	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		09/24/15 13:54	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		09/24/15 13:54	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		09/24/15 13:54	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		09/24/15 13:54	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		09/24/15 13:54	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		09/24/15 13:54	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		09/24/15 13:54	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		09/24/15 13:54	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		09/24/15 13:54	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		09/24/15 13:54	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		09/24/15 13:54	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		09/24/15 13:54	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		09/24/15 13:54	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		09/24/15 13:54	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		09/24/15 13:54	1
1,1,1-Trichloroethane	<5.8		5.8	1.4	ug/Kg	☼		09/24/15 13:54	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		09/24/15 13:54	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		09/24/15 13:54	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		09/24/15 13:54	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/24/15 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 122*		*09/24/15 13:54*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*09/24/15 13:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*09/24/15 13:54*	*1*
Toluene-d8 (Surr)	*109*		*75 - 122*		*09/24/15 13:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1

Client Sample ID: CB27-1(0-2)-092315
Date Collected: 09/23/15 08:40
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-4
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2-Methylnaphthalene	**12**	**J**	37	6.8	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Acenaphthene	**48**		37	6.7	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Acenaphthylene	**12**	**J**	37	4.9	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Anthracene	**140**		37	6.2	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Benzo[a]anthracene	**610**		37	5.0	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Benzo[a]pyrene	**620**		37	7.2	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Benzo[b]fluoranthene	**1800**		37	8.0	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Benzo[g,h,i]perylene	**550**		37	12	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Benzo[k]fluoranthene	**670**		37	11	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Carbazole	<190		190	93	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Chrysene	**700**		37	10	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Dibenz(a,h)anthracene	**82**		37	7.2	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Fluoranthene	**1200**		37	6.9	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Fluorene	**31**	**J**	37	5.2	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1

Client Sample ID: CB27-1(0-2)-092315
Date Collected: 09/23/15 08:40
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-4
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**310**		37	9.6	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Isophorone	<190		190	42	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Naphthalene	**11**	**J**	37	5.7	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Phenanthrene	**530**		37	5.2	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Phenol	<190		190	83	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1
Pyrene	**2000**		37	7.4	ug/Kg	☼	09/24/15 07:09	09/30/15 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 137*	*09/24/15 07:09*	*09/30/15 02:59*	*1*
2-Fluorobiphenyl	*94*		*25 - 119*	*09/24/15 07:09*	*09/30/15 02:59*	*1*
2-Fluorophenol	*117*	*X*	*25 - 110*	*09/24/15 07:09*	*09/30/15 02:59*	*1*
Nitrobenzene-d5	*107*		*25 - 115*	*09/24/15 07:09*	*09/30/15 02:59*	*1*
Phenol-d5	*95*		*31 - 110*	*09/24/15 07:09*	*09/30/15 02:59*	*1*
Terphenyl-d14	*223*	*X*	*36 - 134*	*09/24/15 07:09*	*09/30/15 02:59*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/15 11:00	10/01/15 22:08	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		09/30/15 11:00	09/30/15 22:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 11:00	09/30/15 22:21	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		09/30/15 11:00	09/30/15 22:21	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:21	1
Cobalt	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:21	1
Copper	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:21	1
Iron	<0.20		0.20	0.20	mg/L		09/30/15 11:00	09/30/15 22:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/30/15 11:00	10/01/15 22:08	1
Manganese	**0.62**		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:21	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:21	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 11:00	10/01/15 22:08	1
Silver	<0.025		0.025	0.010	mg/L		09/30/15 11:00	09/30/15 22:21	1
Zinc	**0.12**	**B**	0.10	0.020	mg/L		09/30/15 11:00	09/30/15 22:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.080**		0.050	0.010	mg/L		09/30/15 13:00	10/01/15 14:24	1
Barium	**0.55**		0.50	0.050	mg/L		09/30/15 13:00	10/01/15 14:24	1
Beryllium	**0.0061**		0.0040	0.0040	mg/L		09/30/15 13:00	10/01/15 14:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/15 13:00	10/01/15 14:24	1
Chromium	**0.13**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:24	1
Cobalt	**0.040**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:24	1
Copper	**0.21**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:24	1
Iron	**160**		0.20	0.20	mg/L		09/30/15 13:00	10/01/15 14:24	1
Lead	**0.13**		0.0075	0.0075	mg/L		09/30/15 13:00	10/01/15 14:24	1
Manganese	**0.94**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:24	1
Nickel	**0.16**		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:24	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 13:00	10/01/15 14:24	1

Client Sample ID: CB27-1(0-2)-092315
Date Collected: 09/23/15 08:40
Date Received: 09/23/15 17:31

Lab Sample ID: 500-101614-4
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/30/15 13:00	10/01/15 14:24	1
Zinc	**0.50**	**B**	0.10	0.020	mg/L		09/30/15 13:00	10/01/15 14:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Arsenic	**8.3**		0.55	0.25	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Barium	**55**		0.55	0.10	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Beryllium	**0.54**		0.22	0.047	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Cadmium	**0.22**		0.11	0.032	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Calcium	**74000**		110	35	mg/Kg	☼	09/29/15 12:00	09/30/15 17:52	10
Chromium	**13**		0.55	0.094	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Cobalt	**9.7**		0.27	0.062	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Copper	**20**		0.55	0.12	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Iron	**14000**		11	4.2	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Lead	**27**		0.27	0.14	mg/Kg	☼	09/29/15 12:00	09/30/15 17:46	1
Magnesium	**33000**		5.5	2.2	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Manganese	**320**		0.55	0.11	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Nickel	**22**		0.55	0.15	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Potassium	**1400**		27	4.5	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Selenium	<0.55	^	0.55	0.27	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Sodium	**720**		55	7.2	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Vanadium	**19**		0.27	0.080	mg/Kg	☼	09/29/15 12:00	09/29/15 19:08	1
Zinc	**58**		1.1	0.35	mg/Kg	☼	09/29/15 12:00	09/30/15 17:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 10:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**38**		17	6.0	ug/Kg	☼	09/25/15 15:30	09/28/15 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.93**		0.200	0.200	SU			09/29/15 13:08	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101614-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101614

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 5.8

Report To (optional)		Bill To (optional)	
Contact:	S. Babusukumare	Contact:	SAME
Company:	Weston Solutions Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7836	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative
Weston Solutions	02056.014.029.0036	
Project Name		Parameter
IDOT 029-IL 38 (Roosevelt Rd)		
Project Location/State	Lab Project #	
Oakbrook Terrace/Villa Park, IL		
Sampler	Lab PM	
A. Turkasz	D. Wright	

Preservative Key
1. HCL, Cool to 4°
2. [illegible] to 4°
3. 4°
4. 4°
5. [illegible] to 4°

500-101614 COC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS TCLP/SPLP Method	PH					Comments
							7	7	7	7	7				
1		TH-2(0-1.5)-092315	9/23/15	0758	2		X	X	X	X	X				
2		TH-1(0-1)-092315	9/23/15	0805	2										
3		~~TH~~ CB27-2(0-2)-092315	9/23/15	0820	2										
4		CB27-1(0-2)-092315	9/23/15	0840	2										
5		WG-3(0-1.5)-092315	9/23/15	0852	2										
6		WG-2(0-1.5)-092315	9/23/15	0922	2										
7		WG-1(0-1.5)-092315	9/23/15	0938	2										
8		BA-4(0-1)-092315	9/23/15	1003	2										
9		BA-3(0-1)-092315	9/23/15	1013	2										
10		BA-2(0-1)-092315	9/23/15	1025	2		X	X	X	X	X				

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/23/2015	1605		TA	9/23/15	1605
	TA	9/23/15	1720		TA-CHI	09/23/15	1720

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101614

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 5.8

Report To (optional)		Bill To (optional)	
Contact:	S. Babusukumar	Contact:	SAME
Company:	Weston Solutions Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7886	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #
Weston Solutions	02056.014.029.0030
Project Name	
IDOT 029 - IL 38 (Roosevelt Rd)	
Project Location/State	Lab Project #
Oak Brook Terrace / Villa Park IL	
Sampler	Lab PM
A. Turkasz	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	HR	Comments
							7	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	HR	
11		BA-1(0-1)-092315	9/23/15	658	2			X	X	X	X	X	
12		SC-3(0-1)-092315	9/23/15	1113	2			↓	↓	↓	↓	↓	
13		SC-3(0-1)-092315D	9/23/15	1113	2			↓	↓	↓	↓	↓	
14		SC-2(0-2)-092315	9/23/15	1133	2			↓	↓	↓	↓	↓	
15		SC-1(0-1.5)-092315	9/23/15	1150	2			X	X	X	X	X	

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/23/2015	1605		TA	9/23/15	1605
	TA	9/23/15	1720		TA-CHI	09/23/15	17:20

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

10/2/2015

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
250 E. Roosevelt Road (ISGS Site No. 2482V-30)

City: Villa Park State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860915841 (Decimal Degrees) Longitude: -87.970675913 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860915841 Longitude: -87.970675913

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 TH-3 WAS SAMPLED ADJACENT TO ISGS SITE No. 2482V-30. SEE FIGURE 3-7 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101548-1.
ALSO SEE FIGURES 4-3 AND 4-7 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

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

Summary Table of ISGS Site No. 2482V-30
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	TH-3(0-1.5)-092215	Soil Reference Concentrations[A]
Sample Date	9/22/2015	
Depth	0 - 1.5	
ISGS Site No.	2482V-30	
Parameter		
Laboratory pH	8.97	<6.25, >9.0
VOCs	**None Detected**	
SVOCs (ug/kg)		
Anthracene	8.9 J	1.20E+07
Benzo(a)anthracene	79	900 / 1100 / 1800
Benzo(a)pyrene	100	90 / 1300 / 2100
Benzo(b)fluoranthene	170	900 / 1500 / 2100
Benzo(g,h,i)perylene	78	---
Benzo(k)fluoranthene	60	9000
Chrysene	110	88000
Fluoranthene	190	3100000
Indeno(1,2,3-cd)pyrene	83	900 / 900 / 1600
Phenanthrene	54	---
Pyrene	160	2300000
Total Metals (mg/kg)		
Arsenic, Total	7	11.3 / 13.0
Barium, Total	100	1500
Beryllium, Total	0.72	22
Cadmium, Total	0.33	5.2
Calcium, Total	5100	---
Chromium, Total	16	21
Cobalt, Total	12	20
Copper, Total	18	2900
Iron, Total	19000	15000 / 15900
Lead, Total	25	107
Magnesium, Total	4400 B	325000
Manganese, Total	520	630 / 636
Mercury, Total	0.039	0.89
Nickel, Total	24	100
Potassium, Total	1300	---
Selenium, Total	0.5 J	1.3
Sodium, Total	1400	---
Vanadium, Total	19	550
Zinc, Total	67	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.4 J	2
Iron, TCLP	0.22	5
Manganese, TCLP	0.12	0.15
Zinc, TCLP	0.32	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.049 J	0.05
Barium, SPLP	0.48 J	2
Beryllium, SPLP	0.0051	0.004
Chromium, SPLP	0.11	0.1
Cobalt, SPLP	0.03	1
Copper, SPLP	0.14	0.65
Iron, SPLP	120 J+	5
Lead, SPLP	0.072	0.0075
Manganese, SPLP	0.64	0.15
Nickel, SPLP	0.12	0.1
Zinc, SPLP	0.38 J-	5

Summary Table of ISGS Site No. 2482V-30
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101548-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/1/2015 4:45:29 PM

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

Client Sample ID: TH-3(0-1.5)-092215
Date Collected: 09/22/15 15:34
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-15
Matrix: Solid
Percent Solids: 81.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		09/24/15 18:26	1
Benzene	<6.2		6.2	1.4	ug/Kg	☼		09/24/15 18:26	1
Bromodichloromethane	<6.2		6.2	1.0	ug/Kg	☼		09/24/15 18:26	1
Bromoform	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 18:26	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼		09/24/15 18:26	1
Carbon disulfide	<6.2		6.2	2.3	ug/Kg	☼		09/24/15 18:26	1
Carbon tetrachloride	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 18:26	1
Chlorobenzene	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 18:26	1
Chloroethane	<6.2		6.2	2.6	ug/Kg	☼		09/24/15 18:26	1
Chloroform	<6.2		6.2	1.2	ug/Kg	☼		09/24/15 18:26	1
Chloromethane	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 18:26	1
cis-1,2-Dichloroethene	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 18:26	1
cis-1,3-Dichloropropene	<6.2		6.2	1.4	ug/Kg	☼		09/24/15 18:26	1
Dibromochloromethane	<6.2		6.2	0.71	ug/Kg	☼		09/24/15 18:26	1
1,1-Dichloroethane	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 18:26	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		09/24/15 18:26	1
1,1-Dichloroethene	<6.2		6.2	2.2	ug/Kg	☼		09/24/15 18:26	1
1,2-Dichloropropane	<6.2		6.2	1.6	ug/Kg	☼		09/24/15 18:26	1
1,3-Dichloropropene, Total	<6.2		6.2	1.7	ug/Kg	☼		09/24/15 18:26	1
Ethylbenzene	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 18:26	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼		09/24/15 18:26	1
Methylene Chloride	<6.2		6.2	4.7	ug/Kg	☼		09/24/15 18:26	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		09/24/15 18:26	1
methyl isobutyl ketone	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 18:26	1
Methyl tert-butyl ether	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 18:26	1
Styrene	<6.2		6.2	1.4	ug/Kg	☼		09/24/15 18:26	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.98	ug/Kg	☼		09/24/15 18:26	1
Tetrachloroethene	<6.2		6.2	1.3	ug/Kg	☼		09/24/15 18:26	1
Toluene	<6.2		6.2	2.1	ug/Kg	☼		09/24/15 18:26	1
trans-1,2-Dichloroethene	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 18:26	1
trans-1,3-Dichloropropene	<6.2		6.2	1.7	ug/Kg	☼		09/24/15 18:26	1
1,1,1-Trichloroethane	<6.2		6.2	1.4	ug/Kg	☼		09/24/15 18:26	1
1,1,2-Trichloroethane	<6.2		6.2	1.2	ug/Kg	☼		09/24/15 18:26	1
Trichloroethene	<6.2		6.2	1.7	ug/Kg	☼		09/24/15 18:26	1
Vinyl chloride	<6.2		6.2	1.5	ug/Kg	☼		09/24/15 18:26	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		09/24/15 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*09/24/15 18:26*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*09/24/15 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*09/24/15 18:26*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*09/24/15 18:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
1,4-Dichlorobenzene	<210		210	52	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2,2'-oxybis[1-chloropropane]	<210	*	210	47	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1

Client Sample ID: TH-3(0-1.5)-092215
Date Collected: 09/22/15 15:34
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-15
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	93	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2,4-Dimethylphenol	<410		410	150	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2,6-Dinitrotoluene	<210		210	80	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2-Methylnaphthalene	<41		41	7.5	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2-Methylphenol	<210		210	66	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
2-Nitrophenol	<410		410	96	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Acenaphthene	<41		41	7.3	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Anthracene	**8.9**	**J**	41	6.8	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Benzo[a]anthracene	**79**		41	5.5	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Benzo[a]pyrene	**100**		41	7.9	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Benzo[b]fluoranthene	**170**		41	8.8	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Benzo[g,h,i]perylene	**78**		41	13	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Benzo[k]fluoranthene	**60**		41	12	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Carbazole	<210		210	100	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Chrysene	**110**		41	11	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Dibenzofuran	<210		210	48	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Fluoranthene	**190**		41	7.6	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Fluorene	<41		41	5.7	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Hexachlorobenzene	<82		82	9.5	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Hexachloroethane	<210		210	62	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1

Client Sample ID: TH-3(0-1.5)-092215
Date Collected: 09/22/15 15:34
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-15
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**83**		41	11	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Isophorone	<210		210	46	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Naphthalene	<41		41	6.3	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Nitrobenzene	<41		41	10	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
N-Nitrosodi-n-propylamine	<210		210	50	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Pentachlorophenol	<820		820	660	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Phenanthrene	**54**		41	5.7	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Phenol	<210		210	91	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1
Pyrene	**160**		41	8.1	ug/Kg	☼	09/23/15 15:52	09/24/15 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*09/23/15 15:52*	*09/24/15 11:50*	*1*
2-Fluorobiphenyl	*93*		*25 - 119*	*09/23/15 15:52*	*09/24/15 11:50*	*1*
2-Fluorophenol	*107*		*25 - 110*	*09/23/15 15:52*	*09/24/15 11:50*	*1*
Nitrobenzene-d5	*99*		*25 - 115*	*09/23/15 15:52*	*09/24/15 11:50*	*1*
Phenol-d5	*109*		*31 - 110*	*09/23/15 15:52*	*09/24/15 11:50*	*1*
Terphenyl-d14	*105*		*36 - 134*	*09/23/15 15:52*	*09/24/15 11:50*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/15 10:00	09/30/15 22:12	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		09/30/15 10:00	09/30/15 22:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 10:00	09/30/15 22:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/15 10:00	09/30/15 22:12	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 22:12	1
Cobalt	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 22:12	1
Copper	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 22:12	1
Iron	**0.22**		0.20	0.20	mg/L		09/30/15 10:00	09/30/15 22:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/30/15 10:00	09/30/15 22:12	1
Manganese	**0.12**		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 22:12	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 22:12	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 10:00	09/30/15 22:12	1
Silver	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 22:12	1
Zinc	**0.32**		0.10	0.020	mg/L		09/30/15 10:00	09/30/15 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.049**	**J**	0.050	0.010	mg/L		09/27/15 17:50	09/28/15 14:42	1
Barium	**0.48**	**J B**	0.50	0.050	mg/L		09/27/15 17:50	09/28/15 14:42	1
Beryllium	**0.0051**		0.0040	0.0040	mg/L		09/27/15 17:50	09/28/15 14:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/27/15 17:50	09/28/15 14:42	1
Chromium	**0.11**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:42	1
Cobalt	**0.030**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:42	1
Copper	**0.14**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:42	1
Iron	**120**		0.20	0.20	mg/L		09/27/15 17:50	09/28/15 14:42	1
Lead	**0.072**		0.0075	0.0075	mg/L		09/27/15 17:50	09/28/15 14:42	1
Manganese	**0.64**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:42	1
Nickel	**0.12**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:42	1
Selenium	<0.050		0.050	0.020	mg/L		09/27/15 17:50	09/28/15 14:42	1

Client Sample ID: TH-3(0-1.5)-092215
Date Collected: 09/22/15 15:34
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-15
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:42	1
Zinc	**0.38**	**B**	0.10	0.020	mg/L		09/27/15 17:50	09/28/15 14:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Arsenic	**7.0**		0.61	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Barium	**100**		0.61	0.11	mg/Kg	☼	09/25/15 11:30	09/27/15 16:34	1
Beryllium	**0.72**		0.24	0.053	mg/Kg	☼	09/25/15 11:30	09/27/15 16:34	1
Cadmium	**0.33**		0.12	0.035	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Calcium	**5100**		12	3.9	mg/Kg	☼	09/25/15 11:30	09/27/15 16:34	1
Chromium	**16**		0.61	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Cobalt	**12**		0.31	0.069	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Copper	**18**		0.61	0.13	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Iron	**19000**		12	4.7	mg/Kg	☼	09/25/15 11:30	09/27/15 16:34	1
Lead	**25**		0.31	0.15	mg/Kg	☼	09/25/15 11:30	09/27/15 16:34	1
Magnesium	**4400**	**B**	6.1	2.5	mg/Kg	☼	09/25/15 11:30	09/27/15 16:34	1
Manganese	**520**		0.61	0.12	mg/Kg	☼	09/25/15 11:30	09/27/15 16:34	1
Nickel	**24**		0.61	0.17	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Potassium	**1300**		31	5.0	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Selenium	**0.50**	**J**	0.61	0.30	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Silver	<0.31		0.31	0.072	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Sodium	**1400**		61	8.1	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Vanadium	**19**		0.31	0.089	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1
Zinc	**67**		1.2	0.39	mg/Kg	☼	09/25/15 11:30	09/25/15 21:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 09:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/15 15:45	09/29/15 10:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		19	6.7	ug/Kg	☼	09/24/15 15:30	09/25/15 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.97**		0.200	0.200	SU			09/28/15 15:50	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101548-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101548

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 3.7

Report To (optional)
Contact: S. Babasu Kumar
Company: Weston Solutions INC
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Client: Weston Solutions
Client Project #: 02056.014.029.0030
Project Name: IDOT 029 - IL38 (Roosevelt Rd)
Project Location/State: Oak Brook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					Comments
		Preservative					7	7	7	7	7					
		Parameter														
1		CC-4(0-0.5)-092215	9-22-15	1256	2	S	X	X	X	X	X					
2		CC-4(0-0.5)-092215D		1256												
3		CC3(0-2)-092215		1307												
4		CC-2(0-1)-092215		1320												
5		CC-1(0-1)-092215		1331												
6		CCR2(0-1)-092215		1349												
7		CCR-1(0-1)-092215		1403												
8		HSL-1(0-1.5)-092215		1411												
9		SAS-4(0-1)-092215		1420												
10		SAS-3(0-1)-092215	9-22-15	1434	2	S	X	X	X	X	X					

9. Other

500-101548 COC

Key
to 4°
o 4°
to 4°
ool to 4°

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

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

	Company	Date	Time		Company	Date	Time
Relinquished By: Alex Turkasz	Weston	9/22/15	1600	Received By:	TA	9/22/15	1600
Relinquished By:	TA	9/22/15	1707	Received By:	TA GHL	09/22/15	1707
Relinquished By:				Received By:			

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101548

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.7

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

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

Client: Weston Solutions
Client Project #: 02056-014.026.0030
Project Name: IDOT 029 - IL 38 (Roosevelt Road)
Project Location/State: OakBrook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	PH					Comments
							Parameter	7	7	7	7	7					
11		SAS-2(0-1)-092215	9-22-15	1458	2	S		X	X	X	X	X					
12		SAS-1(0-1.5)-092215	↓	1509	↓	↓		↓	↓	↓	↓	↓					
13		SAS-1(0-1.5)-092215D		1509													
14		TH-4(0-1.5)-092215		1523													
15		TH-3(0-1.5)-092215	9-22-15	1534	2	S		X	X	X	X	X					
A																	LAST REMA

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600	[illegible]	TA	9/22/15	1600
[illegible]	TA	9/22/15	1707	[illegible]	TA-CHI	09/22/15	17:07

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
17W474 Roosevelt Road (ISGS Site No. 2482V-33)

City: Oakbrook Terrace State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860754871 (Decimal Degrees) Longitude: -87.970432484 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860754871 Longitude: -87.970432484

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 SAS-2 WAS SAMPLED ADJACENT TO ISGS SITE No. 2482V-33. SEE FIGURE 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101548-1.
ALSO SEE FIGURES 4-3 AND 4-7 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2482V-33
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	SAS-2(0-1)-092215	**Soil Reference Concentrations[A]**
Sample Date	9/22/2015	
Depth	0 - 1	
ISGS Site No.	2482V-33	
Parameter		
Laboratory pH	8.53	<6.25, >9.0
VOCs	**None Detected**	
SVOCs (ug/kg)		
Anthracene	15 J	1.20E+07
Benzo(a)anthracene	110	900 / 1100 / 1800
Benzo(a)pyrene	140	90 / 1300 / 2100
Benzo(b)fluoranthene	210	900 / 1500 / 2100
Benzo(g,h,i)perylene	79	---
Benzo(k)fluoranthene	84	9000
Chrysene	150	88000
Fluoranthene	270	3100000
Indeno(1,2,3-cd)pyrene	87	900 / 900 / 1600
Phenanthrene	94	---
Pyrene	220	2300000
Total Metals (mg/kg)		
Arsenic, Total	9.3	11.3 / 13.0
Barium, Total	43	1500
Beryllium, Total	0.62	22
Cadmium, Total	0.23	5.2
Calcium, Total	30000	---
Chromium, Total	15	21
Cobalt, Total	14	20
Copper, Total	30	2900
Iron, Total	21000	15000 / 15900
Lead, Total	19	107
Magnesium, Total	21000 B	325000
Manganese, Total	360	630 / 636
Mercury, Total	0.021	0.89
Nickel, Total	37	100
Potassium, Total	1300	---
Sodium, Total	810	---
Thallium, Total	0.53 J	2.6
Vanadium, Total	16	550
Zinc, Total	63	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.37 J	2
Manganese, TCLP	0.15	0.15
Zinc, TCLP	0.027 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.021 J	0.05
Chromium, SPLP	0.034	0.1
Copper, SPLP	0.049	0.65
Iron, SPLP	30 J+	5
Lead, SPLP	0.018	0.0075
Manganese, SPLP	0.22	0.15
Nickel, SPLP	0.037	0.1

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101548-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/1/2015 4:45:29 PM

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

Client Sample ID: SAS-2(0-1)-092215
Date Collected: 09/22/15 14:58
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-11
Matrix: Solid
Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		09/24/15 16:48	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		09/24/15 16:48	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/24/15 16:48	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		09/24/15 16:48	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		09/24/15 16:48	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		09/24/15 16:48	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		09/24/15 16:48	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		09/24/15 16:48	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		09/24/15 16:48	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		09/24/15 16:48	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		09/24/15 16:48	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		09/24/15 16:48	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		09/24/15 16:48	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		09/24/15 16:48	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/24/15 16:48	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		09/24/15 16:48	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		09/24/15 16:48	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		09/24/15 16:48	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		09/24/15 16:48	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		09/24/15 16:48	1
2-Hexanone	<6.0		6.0	1.8	ug/Kg	☼		09/24/15 16:48	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		09/24/15 16:48	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		09/24/15 16:48	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		09/24/15 16:48	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		09/24/15 16:48	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		09/24/15 16:48	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		09/24/15 16:48	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		09/24/15 16:48	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		09/24/15 16:48	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		09/24/15 16:48	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		09/24/15 16:48	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		09/24/15 16:48	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/24/15 16:48	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		09/24/15 16:48	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		09/24/15 16:48	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/24/15 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*09/24/15 16:48*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*09/24/15 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*09/24/15 16:48*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*09/24/15 16:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2,2'-oxybis[1-chloropropane]	<190	*	190	44	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101548-1

Client Sample ID: SAS-2(0-1)-092215
Date Collected: 09/22/15 14:58
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-11
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Anthracene	**15**	**J**	38	6.3	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Benzo[a]anthracene	**110**		38	5.1	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Benzo[a]pyrene	**140**		38	7.3	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Benzo[b]fluoranthene	**210**		38	8.2	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Benzo[g,h,i]perylene	**79**		38	12	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Benzo[k]fluoranthene	**84**		38	11	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Carbazole	<190		190	95	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Chrysene	**150**		38	10	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Fluoranthene	**270**		38	7.0	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Fluorene	<38		38	5.3	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1

Client Sample ID: SAS-2(0-1)-092215
Date Collected: 09/22/15 14:58
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-11
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**87**		38	9.8	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Isophorone	<190		190	43	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Phenanthrene	**94**		38	5.3	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Phenol	<190		190	84	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1
Pyrene	**220**		38	7.5	ug/Kg	☼	09/23/15 15:52	09/24/15 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*09/23/15 15:52*	*09/24/15 12:13*	*1*
2-Fluorobiphenyl	*87*		*25 - 119*	*09/23/15 15:52*	*09/24/15 12:13*	*1*
2-Fluorophenol	*100*		*25 - 110*	*09/23/15 15:52*	*09/24/15 12:13*	*1*
Nitrobenzene-d5	*93*		*25 - 115*	*09/23/15 15:52*	*09/24/15 12:13*	*1*
Phenol-d5	*105*		*31 - 110*	*09/23/15 15:52*	*09/24/15 12:13*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/23/15 15:52*	*09/24/15 12:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/15 10:00	09/30/15 21:29	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/30/15 10:00	09/30/15 21:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 10:00	09/30/15 21:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/15 10:00	09/30/15 21:29	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:29	1
Cobalt	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:29	1
Copper	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:29	1
Iron	<0.20		0.20	0.20	mg/L		09/30/15 10:00	09/30/15 21:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/30/15 10:00	09/30/15 21:29	1
Manganese	**0.15**		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:29	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:29	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 10:00	09/30/15 21:29	1
Silver	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:29	1
Zinc	**0.027**	**J**	0.10	0.020	mg/L		09/30/15 10:00	09/30/15 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.021**	**J**	0.050	0.010	mg/L		09/27/15 17:50	09/28/15 14:15	1
Barium	**0.21**	**J B**	0.50	0.050	mg/L		09/27/15 17:50	09/28/15 14:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/27/15 17:50	09/28/15 14:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/27/15 17:50	09/28/15 14:15	1
Chromium	**0.034**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:15	1
Cobalt	<0.025		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:15	1
Copper	**0.049**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:15	1
Iron	**30**		0.20	0.20	mg/L		09/27/15 17:50	09/28/15 14:15	1
Lead	**0.018**		0.0075	0.0075	mg/L		09/27/15 17:50	09/28/15 14:15	1
Manganese	**0.22**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:15	1
Nickel	**0.037**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:15	1
Selenium	<0.050		0.050	0.020	mg/L		09/27/15 17:50	09/28/15 14:15	1

Client Sample ID: SAS-2(0-1)-092215
Date Collected: 09/22/15 14:58
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-11
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 14:15	1
Zinc	**0.12**	**B**	0.10	0.020	mg/L		09/27/15 17:50	09/28/15 14:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Arsenic	**9.3**		0.57	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Barium	**43**		0.57	0.10	mg/Kg	☼	09/25/15 11:30	09/27/15 16:11	1
Beryllium	**0.62**		0.23	0.049	mg/Kg	☼	09/25/15 11:30	09/27/15 16:11	1
Cadmium	**0.23**		0.11	0.033	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Calcium	**30000**		11	3.7	mg/Kg	☼	09/25/15 11:30	09/27/15 16:11	1
Chromium	**15**		0.57	0.098	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Cobalt	**14**		0.29	0.065	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Copper	**30**		0.57	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Iron	**21000**		11	4.4	mg/Kg	☼	09/25/15 11:30	09/27/15 16:11	1
Lead	**19**		0.29	0.14	mg/Kg	☼	09/25/15 11:30	09/27/15 16:11	1
Magnesium	**21000**	**B**	5.7	2.3	mg/Kg	☼	09/25/15 11:30	09/27/15 16:11	1
Manganese	**360**		0.57	0.11	mg/Kg	☼	09/25/15 11:30	09/27/15 16:11	1
Nickel	**37**		0.57	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Potassium	**1300**		29	4.7	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Sodium	**810**		57	7.5	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Thallium	**0.53**	**J**	0.57	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Vanadium	**16**		0.29	0.083	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1
Zinc	**63**		1.1	0.36	mg/Kg	☼	09/25/15 11:30	09/25/15 20:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/15 15:45	09/29/15 09:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		19	6.5	ug/Kg	☼	09/24/15 15:30	09/25/15 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.53**		0.200	0.200	SU			09/28/15 15:42	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101548-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101548

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 3.7

Report To (optional)
Contact: S. Babasu Kumar
Company: Weston Solutions INC
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Client: Weston Solutions
Client Project #: 02056.014.029.0030
Project Name: IDOT 029 - IL38 (Roosevelt Rd)
Project Location/State: Oak Brook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					Comments
		Preservative					7	7	7	7	7					
		Parameter														
1		CC-4(0-0.5)-092215	9-22-15	1256	2	S	X	X	X	X	X					
2		CC-4(0-0.5)-092215D		1256												
3		CC3(0-2)-092215		1307												
4		CC-2(0-1)-092215		1320												
5		CC-1(0-1)-092215		1331												
6		CCR2(0-1)-092215		1349												
7		CCR-1(0-1)-092215		1403												
8		HSL-1(0-1.5)-092215		1411												
9		SAS-4(0-1)-092215		1420												
10		SAS-3(0-1)-092215	9-22-15	1434	2	S	X	X	X	X	X					

9. Other

500-101548 COC

Key
to 4°
o 4°
to 4°
ool to 4°

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

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

	Company	Date	Time		Company	Date	Time
Relinquished By: Alex Turkasz	Weston	9/22/15	1600	Received By:	TA	9/22/15	1600
Relinquished By:	TA	9/22/15	1707	Received By:	TA GHL	09/22/15	1707
Relinquished By:				Received By:			

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101548

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.7

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

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

Client: Weston Solutions
Client Project #: 02056-014.026.0030
Project Name: IDOT 029 - IL 38 (Roosevelt Road)
Project Location/State: OakBrook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	PH					Comments
							Parameter	7	7	7	7	7					
11		SAS-2(0-1)-092215	9-22-15	1458	2	S		X	X	X	X	X					
12		SAS-1(0-1.5)-092215	↓	1509	↓	↓		↓	↓	↓	↓	↓					
13		SAS-1(0-1.5)-092215D		1509													
14		TH-4(0-1.5)-092215		1523													
15		TH-3(0-1.5)-092215	9-22-15	1534	2	S		X	X	X	X	X					
A																	LAST REMA

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600	[illegible]	TA	9/22/15	1600
[illegible]	TA	9/22/15	1707	[illegible]	TA-CHI	09/22/15	17:07

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
17W445 Roosevelt Road (ISGS Site No. 2482V-34)

City: Oakbrook Terrace State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860504257 (Decimal Degrees) Longitude: -87.970372399 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860504257 Longitude: -87.970372399

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS CS-1 AND CS-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 2482V-34. SEE FIGURES 3-3 AND 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101547-1.
ALSO SEE FIGURES 4-3 AND 4-4 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

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: 500-101547-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/1/2015 4:48:07 PM

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

Client Sample ID: CS-1(0-2)-092215
Date Collected: 09/22/15 08:05
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-1
Matrix: Solid
Percent Solids: 87.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		09/23/15 18:38	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		09/23/15 18:38	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		09/23/15 18:38	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		09/23/15 18:38	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		09/23/15 18:38	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		09/23/15 18:38	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		09/23/15 18:38	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		09/23/15 18:38	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		09/23/15 18:38	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		09/23/15 18:38	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		09/23/15 18:38	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		09/23/15 18:38	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		09/23/15 18:38	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		09/23/15 18:38	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		09/23/15 18:38	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		09/23/15 18:38	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		09/23/15 18:38	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		09/23/15 18:38	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		09/23/15 18:38	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		09/23/15 18:38	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		09/23/15 18:38	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		09/23/15 18:38	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		09/23/15 18:38	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		09/23/15 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*09/23/15 18:38*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*09/23/15 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*09/23/15 18:38*	*1*
Toluene-d8 (Surr)	*103*		*75 - 122*		*09/23/15 18:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1

Client Sample ID: CS-1(0-2)-092215
Date Collected: 09/22/15 08:05
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-1
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4-Dinitrophenol	<720	F1	720	630	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Methylphenol	<180	F1	180	57	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4,6-Dinitro-2-methylphenol	<720	F1	720	290	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Bromophenyl phenyl ether	<180	F1	180	47	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Acenaphthene	**23**	**J**	35	6.4	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Anthracene	**88**		35	5.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[a]anthracene	**570**		35	4.8	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[a]pyrene	**650**		35	6.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[b]fluoranthene	**1200**		35	7.7	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[g,h,i]perylene	**270**		35	11	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[k]fluoranthene	**370**		35	10	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Bis(2-ethylhexyl) phthalate	<180	F1	180	65	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Butyl benzyl phthalate	<180	F1	180	68	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Carbazole	<180		180	89	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Chrysene	**670**		35	9.7	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Dibenz(a,h)anthracene	**69**		35	6.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Di-n-octyl phthalate	<180	F1	180	58	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Fluoranthene	**1400**	**F2 F1**	35	6.6	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Fluorene	**24**	**J**	35	5.0	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Hexachlorocyclopentadiene	<720	F1	720	200	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Hexachloroethane	<180	F1	180	54	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Client Sample ID: CS-1(0-2)-092215
Date Collected: 09/22/15 08:05
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-1
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**300**		35	9.2	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Isophorone	<180		180	40	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
N-Nitrosodiphenylamine	<180	F1	180	42	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Pentachlorophenol	<720	F1	720	570	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Phenanthrene	**590**	**F1 F2**	35	4.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Phenol	<180		180	79	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Pyrene	**1300**	**F1 F2**	35	7.1	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*35 - 137*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
2-Fluorobiphenyl	*109*		*25 - 119*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
2-Fluorophenol	*106*		*25 - 110*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
Nitrobenzene-d5	*98*		*25 - 115*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
Phenol-d5	*111*	*X*	*31 - 110*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
Terphenyl-d14	*138*	*X*	*36 - 134*	*09/24/15 07:13*	*09/29/15 15:28*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		09/29/15 13:15	09/30/15 15:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	09/30/15 15:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:15	09/30/15 15:53	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	09/30/15 15:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	09/30/15 15:53	1
Manganese	**0.17**		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	09/30/15 15:53	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Zinc	**0.54**		0.10	0.020	mg/L		09/29/15 13:15	09/30/15 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.084**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Barium	**0.52**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 17:16	1
Beryllium	**0.0072**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 17:16	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 17:16	1
Chromium	**0.15**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Cobalt	**0.049**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Copper	**0.23**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Iron	**170**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 17:16	1
Lead	**0.23**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 17:16	1
Manganese	**0.90**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Nickel	**0.17**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 17:16	1

Client Sample ID: CS-1(0-2)-092215
Date Collected: 09/22/15 08:05
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-1
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Zinc	**0.54**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 17:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J F1**	1.1	0.23	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Arsenic	**7.5**		0.55	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Barium	**41**		0.55	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Beryllium	**0.53**		0.22	0.047	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Cadmium	**0.20**		0.11	0.032	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Calcium	**68000**	**B F2**	110	35	mg/Kg	☼	09/25/15 11:30	09/27/15 14:02	10
Chromium	**12**		0.55	0.094	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Cobalt	**12**		0.27	0.062	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Copper	**27**	**B**	0.55	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Iron	**17000**		11	4.2	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Lead	**37**	**F2**	0.27	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Magnesium	**31000**	**F2 B**	5.5	2.2	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Manganese	**340**	**F2 B**	0.55	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Nickel	**28**		0.55	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Potassium	**1000**	**F1**	27	4.5	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Selenium	**0.44**	**J F1**	0.55	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Sodium	**1500**	**B**	55	7.2	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Thallium	<0.55	F2	0.55	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Vanadium	**14**		0.27	0.080	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Zinc	**63**		1.1	0.35	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 09:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 09:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		18	6.2	ug/Kg	☼	09/24/15 15:30	09/25/15 14:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.75**		0.200	0.200	SU			09/28/15 14:35	1

Client Sample ID: CS-4(0-2)-092215
Date Collected: 09/22/15 08:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-4
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		09/23/15 19:53	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		09/23/15 19:53	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		09/23/15 19:53	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		09/23/15 19:53	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		09/23/15 19:53	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		09/23/15 19:53	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		09/23/15 19:53	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		09/23/15 19:53	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		09/23/15 19:53	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		09/23/15 19:53	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		09/23/15 19:53	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		09/23/15 19:53	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		09/23/15 19:53	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		09/23/15 19:53	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		09/23/15 19:53	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		09/23/15 19:53	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		09/23/15 19:53	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		09/23/15 19:53	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		09/23/15 19:53	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		09/23/15 19:53	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		09/23/15 19:53	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		09/23/15 19:53	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		09/23/15 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*09/23/15 19:53*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*09/23/15 19:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*09/23/15 19:53*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*09/23/15 19:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1

Client Sample ID: CS-4(0-2)-092215
Date Collected: 09/22/15 08:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Acenaphthene	**19**	**J**	37	6.7	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Anthracene	**69**		37	6.2	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[a]anthracene	**370**		37	5.0	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[a]pyrene	**380**		37	7.2	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[b]fluoranthene	**620**		37	8.1	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[g,h,i]perylene	**180**		37	12	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[k]fluoranthene	**240**		37	11	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Carbazole	<190		190	93	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Chrysene	**440**		37	10	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Dibenz(a,h)anthracene	**46**		37	7.2	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Fluoranthene	**950**		37	6.9	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Fluorene	**21**	**J**	37	5.3	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1

Client Sample ID: CS-4(0-2)-092215
Date Collected: 09/22/15 08:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**190**		37	9.7	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Isophorone	<190		190	42	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Phenanthrene	**430**		37	5.2	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Phenol	<190		190	83	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Pyrene	**750**		37	7.4	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 137*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
2-Fluorobiphenyl	*99*		*25 - 119*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
2-Fluorophenol	*102*		*25 - 110*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
Nitrobenzene-d5	*92*		*25 - 115*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
Phenol-d5	*104*		*31 - 110*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
Terphenyl-d14	*104*		*36 - 134*	*09/24/15 07:13*	*09/28/15 11:12*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/29/15 13:15	09/30/15 16:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	09/30/15 16:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:15	09/30/15 16:50	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	09/30/15 16:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	09/30/15 16:50	1
Manganese	**0.24**		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	09/30/15 16:50	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Zinc	**0.026**	**J**	0.10	0.020	mg/L		09/29/15 13:15	09/30/15 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.11**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Barium	**0.58**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 18:12	1
Beryllium	**0.0083**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 18:12	1
Cadmium	**0.0031**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 18:12	1
Chromium	**0.18**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Cobalt	**0.060**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Copper	**0.31**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Iron	**210**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 18:12	1
Lead	**0.19**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 18:12	1
Manganese	**1.2**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Nickel	**0.23**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 18:12	1

Client Sample ID: CS-4(0-2)-092215
Date Collected: 09/22/15 08:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Zinc	**0.68**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 18:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.41**	**J**	1.1	0.22	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Arsenic	**7.4**		0.53	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Barium	**63**		0.53	0.098	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Beryllium	**0.50**		0.21	0.046	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Cadmium	**0.43**		0.11	0.031	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Calcium	**69000**	**B**	110	34	mg/Kg	☼	09/25/15 11:30	09/27/15 14:26	10
Chromium	**23**		0.53	0.092	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Cobalt	**9.9**		0.27	0.060	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Copper	**34**	**B**	0.53	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Iron	**20000**		11	4.1	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Lead	**35**		0.27	0.13	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Magnesium	**32000**	**B**	5.3	2.2	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Manganese	**490**	**B**	0.53	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Nickel	**24**		0.53	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Potassium	**920**		27	4.4	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Sodium	**610**	**B**	53	7.1	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Vanadium	**18**		0.27	0.078	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Zinc	**94**		1.1	0.34	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 09:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	17	6.0	ug/Kg	☼	09/24/15 15:30	09/25/15 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.80**		0.200	0.200	SU			09/28/15 14:43	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

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

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

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

Chain of Custody Record

Lab Job #: 500-101547
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.4

Client: Weston Solutions
Client Project #: 02056.014.029.0030
Project Name: IDOT029-IL38
Project Location/State: OakBrook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

Preservative Key: ...o 4° / ...l to 4° / ...to 4° / ...to 4° / ...ol to 4°
500-101547 COC

	Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (Pres. 7)	SVOCs (Pres. 7)	TOTAL Metals (Pres. 7)	TCLP/SPLP Metals (Pres. 7)	pH (Pres. 7)					Comments
1	1		CS-1(0-2)-092215	9-22-15	0805	2	S	X	X	X	X	X					
2	2		CS-2(0-2)-092215	↓	0815	↓	↓	↓	↓	↓	↓	↓					
3	3		CS-3(0-2)-092215		0826												
4	4		CS-4(0-2)-092215		0836												
5	5		CS-5(0-2)-092215		0848												
6	6		RF-1(0-1)-092215		0856												
7	7		CHG-1(0-1)-092215		0905												
8	8		CHG-2(0-1)-092215		0915												
9	9		CHG-3(0-1)-092215		0928												
10	10		CHG-4(0-1)-092215	9-22-15	0940	2	S	X	X	X	X	X					

AS 9/22/15

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600	[signature]	TA	9/22/15	1600
[signature]	TA	9/22/15	1707	[signature]	TA CHI	09/22/15	17:07

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1208)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #:

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.4

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramanian	Contact:	SAME
Company:	Weston Solutions Inc	Company:	
Address:	300 Plaza Circle, Ste 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative	7	7	7	7	7					Preservative Key
Weston Solutions	02056.014.0											1. HCL, Cool to 4°
Project Name		Parameter										2. H2SO4, Cool to 4°
IDOT 029 - IL 38 (Roosevelt Rd)												3. HNO3, Cool to 4°
Project Location/State	Lab Project #											4. NaOH, Cool to 4°
Oak Brook Terrace/Villa Park, IL			VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					5. NaOH/Zn, Cool to 4°
Sampler	Lab PM											6. NaHSO4
M. Doheny-Stabic/A. Turkasz	D. Wright											7. Cool to 4°
												8. None
												9. Other

9/22/15 AS	Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix									Comments
	11		CHG-4(0-1)-092215D	9-22-15	0940	2	S	X	X	X	X	X				
	12		CHG-5(0-1)-092215		0951											
	13		CHG-6(0-1)-092215		1000											
	14		CC-11(0-2)-092215		1135											
	15		CC-10(0-2)-092215		1147											
	16		CC-9(0-0.5)-092215		1155											
	17		CC-8(0-2)-092215		1207											
	18		CC-7(0-1)-092215		1218											
	19		CC-6(0-1)-092215		1236											
	20		CC-5(0-2)-092215	9-22-15	1245	2	S	X	X	X	X	X				

Turnaround Time Required (Business Days)

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

Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600		TA	9/22/15	1600
	TA	9/22/15	1707		TA-CHI	09/22/15	17:07

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
17W445 Roosevelt Road (ISGS Site No. 2482V-34)

City: Oakbrook Terrace State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860504257 (Decimal Degrees) Longitude: -87.970372399 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860504257 Longitude: -87.970372399

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS CS-1 AND CS-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 2482V-34. SEE FIGURES 3-3 AND 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101547-1.
ALSO SEE FIGURES 4-3 AND 4-4 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2482V-34
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	CS-1(0-2)-092215	CS-4(0-2)-092215	Soil Reference Concentrations[A]
Sample Date	9/22/2015	9/22/2015	
Depth	0 - 2	0 - 2	
ISGS Site No.	2482V-34	2482V-34	
Parameter			
Laboratory pH	8.75	8.80	<6.25, >9.0
VOCs	**None Detected**		
SVOCs (ug/kg)			
Acenaphthene	23 J	19 J	570000
Anthracene	88	69	1.20E+07
Benzo(a)anthracene	570 J+	370	900 / 1100 / 1800
Benzo(a)pyrene	650	380	90 / 1300 / 2100
Benzo(b)fluoranthene	1200	620	900 / 1500 / 2100
Benzo(g,h,i)perylene	270	180	---
Benzo(k)fluoranthene	370 J+	240	9000
Chrysene	670 J+	440	88000
Dibenzo(a,h)anthracene	69	46	90 / 200 / 420
Fluoranthene	1400 J	950	3100000
Fluorene	24 J	21 J	560000
Indeno(1,2,3-cd)pyrene	300 J+	190	900 / 900 / 1600
Phenanthrene	590 J	430	---
Pyrene	1300 J	750	2300000
Total Metals (mg/kg)			
Antimony, Total	0.44 J	0.41 J	5
Arsenic, Total	7.5	7.4	11.3 / 13.0
Barium, Total	41	63	1500
Beryllium, Total	0.53	0.5	22
Cadmium, Total	0.2	0.43	5.2
Calcium, Total	68000 J	69000 J	---
Chromium, Total	12	23	21
Cobalt, Total	12	9.9	20
Copper, Total	27 B	34 B	2900
Iron, Total	17000 J	20000 J	15000 / 15900
Lead, Total	37 J	35 J	107
Magnesium, Total	31000 J	32000 J	325000
Manganese, Total	340 J	490 J	630 / 636
Mercury, Total	0.022	0.016 J	0.89
Nickel, Total	28	24	100
Potassium, Total	1000 J+	920 J+	---
Selenium, Total	0.44 J	ND	1.3
Sodium, Total	1500 B	610 B	---
Vanadium, Total	14	18	550
Zinc, Total	63	94	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.4 J	0.37 J	2
Manganese, TCLP	0.17	0.24	0.15
Zinc, TCLP	0.54	0.026 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.084	0.11	0.05
Barium, SPLP	0.52	0.58	2
Beryllium, SPLP	0.0072	0.0083	0.004
Cadmium, SPLP	0.0022 J	0.0031 J	0.005
Chromium, SPLP	0.15	0.18	0.1
Cobalt, SPLP	0.049	0.06	1
Copper, SPLP	0.23	0.31	0.65
Iron, SPLP	170	210	5
Lead, SPLP	0.23	0.19	0.0075
Manganese, SPLP	0.9	1.2	0.15
Nickel, SPLP	0.17	0.23	0.1
Zinc, SPLP	0.54	0.68	5

Summary Table of ISGS Site No. 2482V-34
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101547-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/1/2015 4:48:07 PM

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

Client Sample ID: CS-1(0-2)-092215
Date Collected: 09/22/15 08:05
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-1
Matrix: Solid
Percent Solids: 87.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		09/23/15 18:38	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		09/23/15 18:38	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		09/23/15 18:38	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		09/23/15 18:38	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		09/23/15 18:38	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		09/23/15 18:38	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		09/23/15 18:38	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		09/23/15 18:38	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		09/23/15 18:38	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		09/23/15 18:38	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		09/23/15 18:38	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		09/23/15 18:38	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		09/23/15 18:38	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		09/23/15 18:38	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		09/23/15 18:38	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		09/23/15 18:38	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		09/23/15 18:38	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		09/23/15 18:38	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		09/23/15 18:38	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		09/23/15 18:38	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		09/23/15 18:38	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		09/23/15 18:38	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		09/23/15 18:38	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		09/23/15 18:38	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		09/23/15 18:38	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		09/23/15 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*09/23/15 18:38*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*09/23/15 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*09/23/15 18:38*	*1*
Toluene-d8 (Surr)	*103*		*75 - 122*		*09/23/15 18:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1

Client Sample ID: CS-1(0-2)-092215
Date Collected: 09/22/15 08:05
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-1
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4-Dinitrophenol	<720	F1	720	630	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Methylphenol	<180	F1	180	57	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4,6-Dinitro-2-methylphenol	<720	F1	720	290	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Bromophenyl phenyl ether	<180	F1	180	47	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Acenaphthene	**23**	**J**	35	6.4	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Anthracene	**88**		35	5.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[a]anthracene	**570**		35	4.8	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[a]pyrene	**650**		35	6.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[b]fluoranthene	**1200**		35	7.7	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[g,h,i]perylene	**270**		35	11	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Benzo[k]fluoranthene	**370**		35	10	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Bis(2-ethylhexyl) phthalate	<180	F1	180	65	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Butyl benzyl phthalate	<180	F1	180	68	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Carbazole	<180		180	89	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Chrysene	**670**		35	9.7	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Dibenz(a,h)anthracene	**69**		35	6.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Di-n-octyl phthalate	<180	F1	180	58	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Fluoranthene	**1400**	**F2 F1**	35	6.6	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Fluorene	**24**	**J**	35	5.0	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Hexachlorocyclopentadiene	<720	F1	720	200	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Hexachloroethane	<180	F1	180	54	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Client Sample ID: CS-1(0-2)-092215
Date Collected: 09/22/15 08:05
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-1
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**300**		35	9.2	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Isophorone	<180		180	40	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
N-Nitrosodiphenylamine	<180	F1	180	42	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Pentachlorophenol	<720	F1	720	570	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Phenanthrene	**590**	**F1 F2**	35	4.9	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Phenol	<180		180	79	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1
Pyrene	**1300**	**F1 F2**	35	7.1	ug/Kg	☼	09/24/15 07:13	09/29/15 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*35 - 137*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
2-Fluorobiphenyl	*109*		*25 - 119*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
2-Fluorophenol	*106*		*25 - 110*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
Nitrobenzene-d5	*98*		*25 - 115*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
Phenol-d5	*111*	*X*	*31 - 110*	*09/24/15 07:13*	*09/29/15 15:28*	*1*
Terphenyl-d14	*138*	*X*	*36 - 134*	*09/24/15 07:13*	*09/29/15 15:28*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		09/29/15 13:15	09/30/15 15:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	09/30/15 15:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:15	09/30/15 15:53	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	09/30/15 15:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	09/30/15 15:53	1
Manganese	**0.17**		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	09/30/15 15:53	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 15:53	1
Zinc	**0.54**		0.10	0.020	mg/L		09/29/15 13:15	09/30/15 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.084**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Barium	**0.52**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 17:16	1
Beryllium	**0.0072**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 17:16	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 17:16	1
Chromium	**0.15**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Cobalt	**0.049**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Copper	**0.23**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Iron	**170**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 17:16	1
Lead	**0.23**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 17:16	1
Manganese	**0.90**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Nickel	**0.17**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 17:16	1

Client Sample ID: CS-1(0-2)-092215
Date Collected: 09/22/15 08:05
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-1
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 17:16	1
Zinc	**0.54**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 17:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J F1**	1.1	0.23	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Arsenic	**7.5**		0.55	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Barium	**41**		0.55	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Beryllium	**0.53**		0.22	0.047	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Cadmium	**0.20**		0.11	0.032	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Calcium	**68000**	**B F2**	110	35	mg/Kg	☼	09/25/15 11:30	09/27/15 14:02	10
Chromium	**12**		0.55	0.094	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Cobalt	**12**		0.27	0.062	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Copper	**27**	**B**	0.55	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Iron	**17000**		11	4.2	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Lead	**37**	**F2**	0.27	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Magnesium	**31000**	**F2 B**	5.5	2.2	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Manganese	**340**	**F2 B**	0.55	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Nickel	**28**		0.55	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Potassium	**1000**	**F1**	27	4.5	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Selenium	**0.44**	**J F1**	0.55	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Sodium	**1500**	**B**	55	7.2	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Thallium	<0.55	F2	0.55	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Vanadium	**14**		0.27	0.080	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1
Zinc	**63**		1.1	0.35	mg/Kg	☼	09/25/15 11:30	09/25/15 19:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 09:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 09:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		18	6.2	ug/Kg	☼	09/24/15 15:30	09/25/15 14:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.75**		0.200	0.200	SU			09/28/15 14:35	1

Client Sample ID: CS-4(0-2)-092215
Date Collected: 09/22/15 08:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-4
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		09/23/15 19:53	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		09/23/15 19:53	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		09/23/15 19:53	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		09/23/15 19:53	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		09/23/15 19:53	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		09/23/15 19:53	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		09/23/15 19:53	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		09/23/15 19:53	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		09/23/15 19:53	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		09/23/15 19:53	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		09/23/15 19:53	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		09/23/15 19:53	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		09/23/15 19:53	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		09/23/15 19:53	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		09/23/15 19:53	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		09/23/15 19:53	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		09/23/15 19:53	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		09/23/15 19:53	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		09/23/15 19:53	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		09/23/15 19:53	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		09/23/15 19:53	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		09/23/15 19:53	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		09/23/15 19:53	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		09/23/15 19:53	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		09/23/15 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 122*		*09/23/15 19:53*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*09/23/15 19:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*09/23/15 19:53*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*09/23/15 19:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1

Client Sample ID: CS-4(0-2)-092215
Date Collected: 09/22/15 08:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Acenaphthene	**19**	**J**	37	6.7	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Anthracene	**69**		37	6.2	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[a]anthracene	**370**		37	5.0	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[a]pyrene	**380**		37	7.2	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[b]fluoranthene	**620**		37	8.1	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[g,h,i]perylene	**180**		37	12	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Benzo[k]fluoranthene	**240**		37	11	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Carbazole	<190		190	93	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Chrysene	**440**		37	10	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Dibenz(a,h)anthracene	**46**		37	7.2	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Fluoranthene	**950**		37	6.9	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Fluorene	**21**	**J**	37	5.3	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1

Client Sample ID: CS-4(0-2)-092215
Date Collected: 09/22/15 08:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**190**		37	9.7	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Isophorone	<190		190	42	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Phenanthrene	**430**		37	5.2	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Phenol	<190		190	83	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1
Pyrene	**750**		37	7.4	ug/Kg	☼	09/24/15 07:13	09/28/15 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 137*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
2-Fluorobiphenyl	*99*		*25 - 119*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
2-Fluorophenol	*102*		*25 - 110*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
Nitrobenzene-d5	*92*		*25 - 115*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
Phenol-d5	*104*		*31 - 110*	*09/24/15 07:13*	*09/28/15 11:12*	*1*
Terphenyl-d14	*104*		*36 - 134*	*09/24/15 07:13*	*09/28/15 11:12*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/29/15 13:15	09/30/15 16:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	09/30/15 16:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:15	09/30/15 16:50	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	09/30/15 16:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	09/30/15 16:50	1
Manganese	**0.24**		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	09/30/15 16:50	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 16:50	1
Zinc	**0.026**	**J**	0.10	0.020	mg/L		09/29/15 13:15	09/30/15 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.11**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Barium	**0.58**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 18:12	1
Beryllium	**0.0083**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 18:12	1
Cadmium	**0.0031**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 18:12	1
Chromium	**0.18**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Cobalt	**0.060**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Copper	**0.31**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Iron	**210**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 18:12	1
Lead	**0.19**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 18:12	1
Manganese	**1.2**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Nickel	**0.23**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 18:12	1

Client Sample ID: CS-4(0-2)-092215
Date Collected: 09/22/15 08:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 18:12	1
Zinc	**0.68**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 18:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.41**	**J**	1.1	0.22	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Arsenic	**7.4**		0.53	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Barium	**63**		0.53	0.098	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Beryllium	**0.50**		0.21	0.046	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Cadmium	**0.43**		0.11	0.031	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Calcium	**69000**	**B**	110	34	mg/Kg	☼	09/25/15 11:30	09/27/15 14:26	10
Chromium	**23**		0.53	0.092	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Cobalt	**9.9**		0.27	0.060	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Copper	**34**	**B**	0.53	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Iron	**20000**		11	4.1	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Lead	**35**		0.27	0.13	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Magnesium	**32000**	**B**	5.3	2.2	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Manganese	**490**	**B**	0.53	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Nickel	**24**		0.53	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Potassium	**920**		27	4.4	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Sodium	**610**	**B**	53	7.1	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Vanadium	**18**		0.27	0.078	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1
Zinc	**94**		1.1	0.34	mg/Kg	☼	09/25/15 11:30	09/25/15 20:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 09:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	17	6.0	ug/Kg	☼	09/24/15 15:30	09/25/15 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.80**		0.200	0.200	SU			09/28/15 14:43	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-101547
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.4

Client: Weston Solutions
Client Project #: 02056.014.029.0030
Project Name: IDOT029-IL38
Project Location/State: OakBrook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

Preservative Key: … 4° / … to 4° / … to 4° / … to 4° / … ol to 4°

500-101547 COC

	Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (Pres. 7)	SVOCs (Pres. 7)	TOTAL Metals (Pres. 7)	TCLP/SPLP Metals (Pres. 7)	pH (Pres. 7)					Comments
1	1		CS-1(0-2)-092215	9-22-15	0805	2	S	X	X	X	X	X					
2	2		CS-2(0-2)-092215	↓	0815	↓	↓	↓	↓	↓	↓	↓					
3	3		CS-3(0-2)-092215		0826												
4	4		CS-4(0-2)-092215		0836												
5	5		CS-5(0-2)-092215		0848												
6	6		RF-1(0-1)-092215		0856												
7	7		CHG-1(0-1)-092215		0905												
8	8		CHG-2(0-1)-092215		0915												
9	9		CHG-3(0-1)-092215	↓	0928	↓	↓	↓	↓	↓	↓	↓					
10	20		CHG-4(0-1)-092215	9-22-15	0940	2	S	X	X	X	X	X					

AS 9/22/15

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600	[signature]	TA	9/22/15	1600
[signature]	TA	9/22/15	1707	[signature]	TA CHI	09/22/15	17:07

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #:

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.4

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramanian	Contact:	SAME
Company:	Weston Solutions Inc	Company:	
Address:	300 Plaza Circle, Ste 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative	7	7	7	7	7					Preservative Key
Weston Solutions	02056.014.0											1. HCL, Cool to 4°
Project Name		Parameter										2. H2SO4, Cool to 4°
IDOT 029 - IL 38 (Roosevelt Rd)												3. HNO3, Cool to 4°
Project Location/State	Lab Project #											4. NaOH, Cool to 4°
Oak Brook Terrace/Villa Park, IL			VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					5. NaOH/Zn, Cool to 4°
Sampler	Lab PM											6. NaHSO4
M. Doheny-Stabic/A. Turkasz	D. Wright											7. Cool to 4°
												8. None
												9. Other

9/22/15 AS	Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix									Comments
	11		CHG-4(0-1)-092215D	9-22-15	0940	2	S	X	X	X	X	X				
	12		CHG-5(0-1)-092215		0951											
	13		CHG-6(0-1)-092215		1000											
	14		CC-11(0-2)-092215		1135											
	15		CC-10(0-2)-092215		1147											
	16		CC-9(0-0.5)-092215		1155											
	17		CC-8(0-2)-092215		1207											
	18		CC-7(0-1)-092215		1218											
	19		CC-6(0-1)-092215		1236											
	20		CC-5(0-2)-092215	9-22-15	1245	2	S	X	X	X	X	X				

Turnaround Time Required (Business Days)

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

Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600		TA	9/22/15	1600
	TA	9/22/15	1707		TA-CHI	09/22/15	17:07

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
17W450 Roosevelt Road (ISGS Site No. 2482V-40)

City: Oakbrook Terrace State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860786262 (Decimal Degrees) Longitude: -87.969541118 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860786262 Longitude: -87.969541118

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 HSL-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2482V-40. SEE FIGURE 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101548-1.
ALSO SEE FIGURE 4-4 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2482V-40
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	HSL-1(0-1.5)-092215	**Soil Reference Concentrations[A]**
Sample Date	9/22/2015	
Depth	0 - 1.5	
ISGS Site No.	2482V-40	
Parameter		
Laboratory pH	8.99	<6.25, >9.0
VOCs	**None Detected**	
SVOCs (ug/kg)		
Acenaphthene	82	570000
Anthracene	270	1.20E+07
Benzo(a)anthracene	1000	900 / 1100 / 1800
Benzo(a)pyrene	1300	90 / 1300 / 2100
Benzo(b)fluoranthene	1600	900 / 1500 / 2100
Benzo(g,h,i)perylene	330	---
Benzo(k)fluoranthene	730	9000
Carbazole	120 J	600
Chrysene	1100	88000
Dibenzo(a,h)anthracene	92	90 / 200 / 420
Fluoranthene	2400	3100000
Fluorene	96	560000
Indeno(1,2,3-cd)pyrene	400	900 / 900 / 1600
Phenanthrene	1100	---
Pyrene	2200	2300000
Total Metals (mg/kg)		
Arsenic, Total	10	11.3 / 13.0
Barium, Total	50	1500
Beryllium, Total	0.58	22
Cadmium, Total	0.4	5.2
Calcium, Total	25000	---
Chromium, Total	16	21
Cobalt, Total	15	20
Copper, Total	35	2900
Iron, Total	21000	15000 / 15900
Lead, Total	45	107
Magnesium, Total	18000 B	325000
Manganese, Total	420	630 / 636
Mercury, Total	0.032	0.89
Nickel, Total	38	100
Potassium, Total	1400	---
Selenium, Total	0.3 J	1.3
Sodium, Total	900	---
Thallium, Total	0.41 J	2.6
Vanadium, Total	16	550
Zinc, Total	95	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.4 J	2
Manganese, TCLP	0.05	0.15
Zinc, TCLP	0.033 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.066	0.05
Barium, SPLP	0.47 J	2
Beryllium, SPLP	0.0055	0.004
Cadmium, SPLP	0.0023 J	0.005
Chromium, SPLP	0.13	0.1
Cobalt, SPLP	0.045	1
Copper, SPLP	0.19	0.65
Iron, SPLP	140 J+	5
Lead, SPLP	0.15	0.0075
Manganese, SPLP	0.87	0.15
Nickel, SPLP	0.15	0.1
Zinc, SPLP	0.56 J-	5

Summary Table of ISGS Site No. 2482V-40
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101548-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/1/2015 4:45:29 PM

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

Client Sample ID: HSL-1(0-1.5)-092215
Date Collected: 09/22/15 14:11
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-8
Matrix: Solid
Percent Solids: 83.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		09/23/15 22:20	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		09/23/15 22:20	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		09/23/15 22:20	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 22:20	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		09/23/15 22:20	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		09/23/15 22:20	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		09/23/15 22:20	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 22:20	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		09/23/15 22:20	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 22:20	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 22:20	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 22:20	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 22:20	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		09/23/15 22:20	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 22:20	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		09/23/15 22:20	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		09/23/15 22:20	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		09/23/15 22:20	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		09/23/15 22:20	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		09/23/15 22:20	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		09/23/15 22:20	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		09/23/15 22:20	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		09/23/15 22:20	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 22:20	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 22:20	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 22:20	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		09/23/15 22:20	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 22:20	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		09/23/15 22:20	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		09/23/15 22:20	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		09/23/15 22:20	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 22:20	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		09/23/15 22:20	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		09/23/15 22:20	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		09/23/15 22:20	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/23/15 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*09/23/15 22:20*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*09/23/15 22:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*09/23/15 22:20*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*09/23/15 22:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2,2'-oxybis[1-chloropropane]	<200	*	200	45	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1

Client Sample ID: HSL-1(0-1.5)-092215
Date Collected: 09/22/15 14:11
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-8
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2-Methylphenol	<200		200	62	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Acenaphthene	**82**		39	7.0	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Anthracene	**270**		39	6.5	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Benzo[a]anthracene	**1000**		39	5.2	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Benzo[a]pyrene	**1300**		39	7.5	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Benzo[b]fluoranthene	**1600**		39	8.4	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Benzo[g,h,i]perylene	**330**		39	13	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Benzo[k]fluoranthene	**730**		39	11	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Carbazole	**120**	**J**	200	97	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Chrysene	**1100**		39	11	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Dibenz(a,h)anthracene	**92**		39	7.5	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Fluoranthene	**2400**		39	7.2	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Fluorene	**96**		39	5.5	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Hexachloroethane	<200		200	59	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1

Client Sample ID: HSL-1(0-1.5)-092215
Date Collected: 09/22/15 14:11
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-8
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**400**		39	10	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Isophorone	<200		200	44	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Phenanthrene	**1100**		39	5.4	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Phenol	<200		200	86	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1
Pyrene	**2200**		39	7.7	ug/Kg	☼	09/23/15 15:52	09/25/15 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*09/23/15 15:52*	*09/25/15 17:05*	*1*
2-Fluorobiphenyl	*84*		*25 - 119*	*09/23/15 15:52*	*09/25/15 17:05*	*1*
2-Fluorophenol	*89*		*25 - 110*	*09/23/15 15:52*	*09/25/15 17:05*	*1*
Nitrobenzene-d5	*68*		*25 - 115*	*09/23/15 15:52*	*09/25/15 17:05*	*1*
Phenol-d5	*88*		*31 - 110*	*09/23/15 15:52*	*09/25/15 17:05*	*1*
Terphenyl-d14	*130*		*36 - 134*	*09/23/15 15:52*	*09/25/15 17:05*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/15 10:00	09/30/15 21:09	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		09/30/15 10:00	09/30/15 21:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 10:00	09/30/15 21:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/30/15 10:00	09/30/15 21:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:09	1
Copper	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:09	1
Iron	<0.20		0.20	0.20	mg/L		09/30/15 10:00	09/30/15 21:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/30/15 10:00	09/30/15 21:09	1
Manganese	**0.050**		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:09	1
Nickel	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:09	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 10:00	09/30/15 21:09	1
Silver	<0.025		0.025	0.010	mg/L		09/30/15 10:00	09/30/15 21:09	1
Zinc	**0.033**	**J**	0.10	0.020	mg/L		09/30/15 10:00	09/30/15 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.066**		0.050	0.010	mg/L		09/27/15 17:50	09/28/15 13:55	1
Barium	**0.47**	**J B**	0.50	0.050	mg/L		09/27/15 17:50	09/28/15 13:55	1
Beryllium	**0.0055**		0.0040	0.0040	mg/L		09/27/15 17:50	09/28/15 13:55	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		09/27/15 17:50	09/28/15 13:55	1
Chromium	**0.13**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:55	1
Cobalt	**0.045**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:55	1
Copper	**0.19**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:55	1
Iron	**140**		0.20	0.20	mg/L		09/27/15 17:50	09/28/15 13:55	1
Lead	**0.15**		0.0075	0.0075	mg/L		09/27/15 17:50	09/28/15 13:55	1
Manganese	**0.87**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:55	1
Nickel	**0.15**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:55	1
Selenium	<0.050		0.050	0.020	mg/L		09/27/15 17:50	09/28/15 13:55	1

Client Sample ID: HSL-1(0-1.5)-092215
Date Collected: 09/22/15 14:11
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-8
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:55	1
Zinc	**0.56**	**B**	0.10	0.020	mg/L		09/27/15 17:50	09/28/15 13:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Arsenic	**10**		0.57	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Barium	**50**		0.57	0.10	mg/Kg	☼	09/25/15 11:30	09/27/15 15:41	1
Beryllium	**0.58**		0.23	0.049	mg/Kg	☼	09/25/15 11:30	09/27/15 15:41	1
Cadmium	**0.40**		0.11	0.033	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Calcium	**25000**		11	3.7	mg/Kg	☼	09/25/15 11:30	09/27/15 15:41	1
Chromium	**16**		0.57	0.098	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Cobalt	**15**		0.28	0.064	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Copper	**35**		0.57	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Iron	**21000**		11	4.4	mg/Kg	☼	09/25/15 11:30	09/27/15 15:41	1
Lead	**45**		0.28	0.14	mg/Kg	☼	09/25/15 11:30	09/27/15 15:41	1
Magnesium	**18000**	**B**	5.7	2.3	mg/Kg	☼	09/25/15 11:30	09/27/15 15:41	1
Manganese	**420**		0.57	0.11	mg/Kg	☼	09/25/15 11:30	09/27/15 15:41	1
Nickel	**38**		0.57	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Potassium	**1400**		28	4.6	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Selenium	**0.30**	**J**	0.57	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Sodium	**900**		57	7.5	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Thallium	**0.41**	**J**	0.57	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Vanadium	**16**		0.28	0.083	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1
Zinc	**95**		1.1	0.36	mg/Kg	☼	09/25/15 11:30	09/25/15 20:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/15 15:45	09/29/15 09:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**		19	6.5	ug/Kg	☼	09/24/15 15:30	09/25/15 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.99**		0.200	0.200	SU			09/28/15 15:36	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101548-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101548

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 3.7

Report To (optional)
Contact: S. Babasu Kumar
Company: Weston Solutions INC
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Client: Weston Solutions
Client Project #: 02056.014.029.0030
Project Name: IDOT 029 - IL38 (Roosevelt Rd)
Project Location/State: Oak Brook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					Comments
		Preservative					7	7	7	7	7					
		Parameter														
1		CC-4(0-0.5)-092215	9-22-15	1256	2	S	X	X	X	X	X					
2		CC-4(0-0.5)-092215D		1256												
3		CC3(0-2)-092215		1307												
4		CC-2(0-1)-092215		1320												
5		CC-1(0-1)-092215		1331												
6		CCR2(0-1)-092215		1349												
7		CCR-1(0-1)-092215		1403												
8		HSL-1(0-1.5)-092215		1411												
9		SAS-4(0-1)-092215		1420												
10		SAS-3(0-1)-092215	9-22-15	1434	2	S	X	X	X	X	X					

9. Other

500-101548 COC

Key
to 4°
o 4°
to 4°
ool to 4°

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

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

	Company	Date	Time		Company	Date	Time
Relinquished By: Alex Turkasz	Weston	9/22/15	1600	Received By:	TA	9/22/15	1600
Relinquished By:	TA	9/22/15	1707	Received By:	TA GHL	09/22/15	1707
Relinquished By:				Received By:			

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101548

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.7

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

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

Client: Weston Solutions
Client Project #: 02056-014.026.0030
Project Name: IDOT 029 - IL 38 (Roosevelt Road)
Project Location/State: OakBrook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	PH					Comments
							Parameter	7	7	7	7	7					
11		SAS-2(0-1)-092215	9-22-15	1458	2	S		X	X	X	X	X					
12		SAS-1(0-1.5)-092215	↓	1509	↓	↓		↓	↓	↓	↓	↓					
13		SAS-1(0-1.5)-092215D		1509													
14		TH-4(0-1.5)-092215		1523													
15		TH-3(0-1.5)-092215	9-22-15	1534	2	S		X	X	X	X	X					
A																	LAST REMA

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600	[illegible]	TA	9/22/15	1600
[illegible]	TA	9/22/15	1707	[illegible]	TA-CHI	09/22/15	17:07

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
350 E. Roosevelt Road (ISGS Site No. 2482V-42)

City: Villa Park State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860832878 (Decimal Degrees) Longitude: -87.968290127 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860832878 Longitude: -87.968290127

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS ITS-1 THROUGH ITS-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2482V-42. SEE FIGURES 3-4, 3-5, AND 3-7, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101490-1.
TEST AMERICA REPORT - JOB ID: 500-101491-1.
ALSO SEE FIGURES 4-4, 4-5, AND 4-7 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2482V-42
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	ITS-1(0-3.5)-092115	ITS-1(0-3.5)-092115D	ITS-2(0-3.5)-092115	ITS-3(0-3.5)-092115	ITS-4(0-3.5)-092115	ITS-5(0-3.5)-092115	**Soil Reference Concentrations[A]**
Sample Date	9/21/2015	9/21/2015	9/21/2015	9/21/2015	9/21/2015	9/21/2015	
Depth	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	
ISGS Site No.	2482V-42	2482V-42	2482V-42	2482V-42	2482V-42	2482V-42	
Parameter							
Laboratory pH	8.52	8.50	8.80	8.25	8.23	8.09	<6.25, >9.0
VOCs	**None Detected**						
SVOCs (ug/kg)							
Acenaphthene	20 J	ND	9 J	38	22 J	21 J	570000
Acenaphthylene	ND	ND	ND	14 J	6 J	15 J	---
Anthracene	99 J	7.6 J	28 J	210	62	72	1.20E+07
Benzo(a)anthracene	170 J	37 J	160	810	270	550	900 / 1100 / 1800
Benzo(a)pyrene	170 J	43 J	190	820	280	630	90 / 1300 / 2100
Benzo(b)fluoranthene	260 J	71 J	320	1200	490	1100	900 / 1500 / 2100
Benzo(g,h,i)perylene	74 J	21 J	89	310	120	270	---
Benzo(k)fluoranthene	110 J	27 J	140	470	190	420	9000
Butyl benzyl phthalate	ND	ND	100 J	ND	ND	ND	930000
Chrysene	180 J	45 J	190	770	330	740	88000
Dibenzo(a,h)anthracene	23 J	ND	19 J	78	36 J	88	90 / 200 / 420
Fluoranthene	480 J	85 J	380	2200	720	1300	3100000
Fluorene	22 J	ND	8.6 J	47	21 J	26 J	560000
Indeno(1,2,3-cd)pyrene	81 J	23 J	97 J+	340 J+	170	380	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	6.6 J	1800
Phenanthrene	290 J	38 J	160	780	390	480	---
Pyrene	370 J	70 J	360	1700	650	1200	2300000

Summary Table of ISGS Site No. 2482V-42
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	ITS-1(0-3.5)-092115	ITS-1(0-3.5)-092115D	ITS-2(0-3.5)-092115	ITS-3(0-3.5)-092115	ITS-4(0-3.5)-092115	ITS-5(0-3.5)-092115	Soil Reference Concentrations[A]
Sample Date	9/21/2015	9/21/2015	9/21/2015	9/21/2015	9/21/2015	9/21/2015	
Depth	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	
ISGS Site No.	2482V-42	2482V-42	2482V-42	2482V-42	2482V-42	2482V-42	
Parameter							
Total Metals (mg/kg)							
Antimony, Total	0.59 J	0.58 J	0.63 J	ND	1 J	0.5 J	5
Arsenic, Total	9.7	10	6.3	12	11 J	11 J	11.3 / 13.0
Barium, Total	55 J	42 J	78 J	56 J	73	73	1500
Beryllium, Total	0.72	0.68	0.68	0.75	0.78	0.87	22
Cadmium, Total	0.44	0.48	0.49	0.36	0.63	0.68	5.2
Calcium, Total	37000 J	54000 J	39000 J	19000 J	14000 J	14000 J	---
Chromium, Total	20 J+	17 J+	18 J+	18 J+	20 J+	21 J+	21
Cobalt, Total	12	9.9	7.3	12	11 J-	13 J-	20
Copper, Total	29 J	30 J	21 J	34 J	29 J	31 J	2900
Iron, Total	21000 J+	21000 J+	16000 J+	24000 J+	22000 J	23000 J	15000 / 15900
Lead, Total	20 J	32 J	72 J	28 J	40 J	31 J	107
Magnesium, Total	22000 J	33000 J	23000 J	13000 J	10000 J	11000 J	325000
Manganese, Total	500 J	390 J	380 J	350 J	490 J-	570 J-	630 / 636
Mercury, Total	0.034	0.039	0.024	0.042	0.051 J+	0.042 J+	0.89
Nickel, Total	27	26	16	29	24 J-	26 J-	100
Potassium, Total	2700 J	2900 J	1900 J	2300 J	2100 J+	2400 J+	---
Selenium, Total	0.5 J	0.52 J	0.49 J	0.86	1.4	1.3	1.3
Silver, Total	ND	ND	ND	ND	0.13 J	ND	4.4
Sodium, Total	1300	1100	960	130	85	160	---
Thallium, Total	1.5	1.6	1.4	2	0.33 J	0.31 J	2.6
Vanadium, Total	25	22	27	24	27 J+	28 J+	550
Zinc, Total	62 J-	68 J-	65 J-	73 J-	76 J-	68 J-	5100
TCLP Metals (mg/l)							
Arsenic, TCLP	0.01 J	0.01 J	0.013 J	ND	ND	ND	0.05
Barium, TCLP	0.33 J	0.3 J	0.45 J	0.43 J	0.34 J	0.35 J	2
Cadmium, TCLP	0.0027 J	0.0028 J	0.0032 J	0.0029 J	ND	ND	0.005
Copper, TCLP	ND	ND	0.011 J	0.011 J	ND	ND	0.65
Manganese, TCLP	0.12 J	0.23 J	0.42	0.11	ND	0.023 J	0.15
Zinc, TCLP	ND	ND	0.38 B	ND	ND	ND	5

Summary Table of ISGS Site No. 2482V-42
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	ITS-1(0-3.5)-092115	ITS-1(0-3.5)-092115D	ITS-2(0-3.5)-092115	ITS-3(0-3.5)-092115	ITS-4(0-3.5)-092115	ITS-5(0-3.5)-092115	**Soil Reference Concentrations[A]**
Sample Date	9/21/2015	9/21/2015	9/21/2015	9/21/2015	9/21/2015	9/21/2015	
Depth	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	0 - 3.5	
ISGS Site No.	2482V-42	2482V-42	2482V-42	2482V-42	2482V-42	2482V-42	
Parameter							
SPLP Metals (mg/l)							
Arsenic, SPLP	0.11	0.12	0.074	0.035 J	0.021 J	ND	0.05
Barium, SPLP	0.47 J	0.51	0.52	0.19 J	0.23 J	0.22 J	2
Beryllium, SPLP	0.0081	0.009	0.0066	ND	ND	ND	0.004
Cadmium, SPLP	0.0029 J	0.0039 J	0.0024 J	ND	ND	ND	0.005
Chromium, SPLP	0.17	0.19	0.14	0.056	0.031 J	0.025 J	0.1
Cobalt, SPLP	0.066	0.069	0.048	0.024 J	ND	ND	1
Copper, SPLP	0.34	0.38	0.21	0.092	0.055 J	0.038 J	0.65
Iron, SPLP	220 J+	240 J+	160 J+	70 J+	39 J	25 J	5
Lead, SPLP	0.19	0.29	0.24	0.064	0.027 J	0.03 J	0.0075
Manganese, SPLP	0.99	1.1	0.88	0.39	0.18 J	0.13 J	0.15
Nickel, SPLP	0.26	0.28	0.19	0.079	0.043 J	0.028 J	0.1
Zinc, SPLP	0.78	0.83	0.5	0.2	0.16 J	0.17 J	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101491-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/29/2015 2:10:25 PM

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

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101491-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-101491-1	ITS-3(0-3.5)-092115	Solid	09/21/15 15:17	09/22/15 07:30
500-101491-2	ITS-2(0-3.5)-092115	Solid	09/21/15 15:27	09/22/15 07:30
500-101491-3	ITS-1(0-3.5)-092115	Solid	09/21/15 15:40	09/22/15 07:30
500-101491-4	ITS-1(0-3.5)-092115D	Solid	09/21/15 15:40	09/22/15 07:30

Client Sample ID: ITS-3(0-3.5)-092115
Date Collected: 09/21/15 15:17
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-1
Matrix: Solid
Percent Solids: 86.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		09/22/15 15:08	1
Benzene	<5.8	F1	5.8	1.3	ug/Kg	☼		09/22/15 15:08	1
Bromodichloromethane	<5.8	F1	5.8	0.98	ug/Kg	☼		09/22/15 15:08	1
Bromoform	<5.8	F1	5.8	1.2	ug/Kg	☼		09/22/15 15:08	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		09/22/15 15:08	1
Carbon disulfide	<5.8	F1	5.8	2.1	ug/Kg	☼		09/22/15 15:08	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		09/22/15 15:08	1
Chlorobenzene	<5.8	F1	5.8	1.4	ug/Kg	☼		09/22/15 15:08	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		09/22/15 15:08	1
Chloroform	<5.8	F1	5.8	1.1	ug/Kg	☼		09/22/15 15:08	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 15:08	1
cis-1,2-Dichloroethene	<5.8	F1	5.8	1.2	ug/Kg	☼		09/22/15 15:08	1
cis-1,3-Dichloropropene	<5.8	F1	5.8	1.3	ug/Kg	☼		09/22/15 15:08	1
Dibromochloromethane	<5.8	F1	5.8	0.67	ug/Kg	☼		09/22/15 15:08	1
1,1-Dichloroethane	<5.8	F1	5.8	1.2	ug/Kg	☼		09/22/15 15:08	1
1,2-Dichloroethane	<5.8	F1	5.8	0.86	ug/Kg	☼		09/22/15 15:08	1
1,1-Dichloroethene	<5.8	F1	5.8	2.1	ug/Kg	☼		09/22/15 15:08	1
1,2-Dichloropropane	<5.8	F1	5.8	1.5	ug/Kg	☼		09/22/15 15:08	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		09/22/15 15:08	1
Ethylbenzene	<5.8	F1	5.8	1.4	ug/Kg	☼		09/22/15 15:08	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		09/22/15 15:08	1
Methylene Chloride	<5.8	F1	5.8	4.4	ug/Kg	☼		09/22/15 15:08	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		09/22/15 15:08	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		09/22/15 15:08	1
Methyl tert-butyl ether	<5.8	F1	5.8	1.4	ug/Kg	☼		09/22/15 15:08	1
Styrene	<5.8	F1	5.8	1.4	ug/Kg	☼		09/22/15 15:08	1
1,1,2,2-Tetrachloroethane	<5.8	F1	5.8	0.92	ug/Kg	☼		09/22/15 15:08	1
Tetrachloroethene	<5.8	F1	5.8	1.2	ug/Kg	☼		09/22/15 15:08	1
Toluene	<5.8	F1	5.8	2.0	ug/Kg	☼		09/22/15 15:08	1
trans-1,2-Dichloroethene	<5.8	F1	5.8	1.5	ug/Kg	☼		09/22/15 15:08	1
trans-1,3-Dichloropropene	<5.8	F1	5.8	1.6	ug/Kg	☼		09/22/15 15:08	1
1,1,1-Trichloroethane	<5.8	F1	5.8	1.3	ug/Kg	☼		09/22/15 15:08	1
1,1,2-Trichloroethane	<5.8	F1	5.8	1.1	ug/Kg	☼		09/22/15 15:08	1
Trichloroethene	<5.8	F1	5.8	1.6	ug/Kg	☼		09/22/15 15:08	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 15:08	1
Xylenes, Total	<12	F1	12	2.2	ug/Kg	☼		09/22/15 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*09/22/15 15:08*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*09/22/15 15:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*09/22/15 15:08*	*1*
Toluene-d8 (Surr)	*110*		*75 - 122*		*09/22/15 15:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1

Client Sample ID: ITS-3(0-3.5)-092115
Date Collected: 09/21/15 15:17
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-1
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Acenaphthene	**38**		38	6.8	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Acenaphthylene	**14**	**J**	38	5.0	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Anthracene	**210**		38	6.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Benzo[a]anthracene	**810**		38	5.1	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Benzo[a]pyrene	**820**		38	7.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Benzo[b]fluoranthene	**1200**		38	8.2	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Benzo[g,h,i]perylene	**310**		38	12	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Benzo[k]fluoranthene	**470**		38	11	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Bis(2-chloroethyl)ether	<190	*	190	57	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Carbazole	<190		190	95	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Chrysene	**770**		38	10	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Dibenz(a,h)anthracene	**78**		38	7.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Fluoranthene	**2200**		38	7.0	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Fluorene	**47**		38	5.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1

Client Sample ID: ITS-3(0-3.5)-092115
Date Collected: 09/21/15 15:17
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-1
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**340**		38	9.8	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Isophorone	<190		190	43	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Phenanthrene	**780**		38	5.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Phenol	<190		190	84	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1
Pyrene	**1700**		38	7.5	ug/Kg	☼	09/23/15 08:32	09/24/15 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 137*	*09/23/15 08:32*	*09/24/15 14:16*	*1*
2-Fluorobiphenyl	*96*		*25 - 119*	*09/23/15 08:32*	*09/24/15 14:16*	*1*
2-Fluorophenol	*94*		*25 - 110*	*09/23/15 08:32*	*09/24/15 14:16*	*1*
Nitrobenzene-d5	*85*		*25 - 115*	*09/23/15 08:32*	*09/24/15 14:16*	*1*
Phenol-d5	*98*		*31 - 110*	*09/23/15 08:32*	*09/24/15 14:16*	*1*
Terphenyl-d14	*92*		*36 - 134*	*09/23/15 08:32*	*09/24/15 14:16*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/24/15 10:00	09/24/15 17:49	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		09/24/15 10:00	09/24/15 17:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 10:00	09/24/15 17:49	1
Cadmium	**0.0029**	**J**	0.0050	0.0020	mg/L		09/24/15 10:00	09/24/15 17:49	1
Chromium	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:49	1
Cobalt	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:49	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:49	1
Iron	<0.20		0.20	0.20	mg/L		09/24/15 10:00	09/24/15 17:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/24/15 10:00	09/24/15 17:49	1
Manganese	**0.11**		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:49	1
Nickel	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:49	1
Selenium	**0.022**	**J B**	0.050	0.020	mg/L		09/24/15 10:00	09/24/15 17:49	1
Silver	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:49	1
Zinc	**0.046**	**J B**	0.10	0.020	mg/L		09/24/15 10:00	09/24/15 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.035**	**J**	0.050	0.010	mg/L		09/25/15 11:00	09/25/15 20:55	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		09/25/15 11:00	09/25/15 20:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 20:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 20:55	1
Chromium	**0.056**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:55	1
Cobalt	**0.024**	**J**	0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:55	1
Copper	**0.092**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:55	1
Iron	**70**	**B**	0.20	0.20	mg/L		09/25/15 11:00	09/25/15 20:55	1
Lead	**0.064**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 20:55	1
Manganese	**0.39**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:55	1
Nickel	**0.079**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:55	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 20:55	1

Client Sample ID: ITS-3(0-3.5)-092115
Date Collected: 09/21/15 15:17
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-1
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:55	1
Zinc	**0.20**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 20:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1	F1	1.1	0.23	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Arsenic	**12**		0.55	0.25	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Barium	**56**		0.55	0.10	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Beryllium	**0.75**		0.22	0.048	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Cadmium	**0.36**		0.11	0.032	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Calcium	**19000**	**F2**	11	3.5	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Chromium	**18**	**B F1**	0.55	0.095	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Cobalt	**12**		0.27	0.062	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Copper	**34**		0.55	0.12	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Iron	**24000**		11	4.2	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Lead	**28**		0.27	0.14	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Magnesium	**13000**	**F2**	5.5	2.2	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Manganese	**350**		0.55	0.11	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Nickel	**29**		0.55	0.15	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Potassium	**2300**		27	4.5	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Selenium	**0.86**		0.55	0.27	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Sodium	**130**		55	7.3	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Thallium	**2.0**		0.55	0.27	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Vanadium	**24**		0.27	0.080	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1
Zinc	**73**	**B F1**	1.1	0.35	mg/Kg	☼	09/22/15 19:40	09/23/15 15:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 09:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**42**		18	6.4	ug/Kg	☼	09/23/15 15:30	09/24/15 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.25**		0.200	0.200	SU			09/26/15 11:23	1

Client Sample ID: ITS-2(0-3.5)-092115
Date Collected: 09/21/15 15:27
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-2
Matrix: Solid
Percent Solids: 87.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		09/22/15 16:23	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		09/22/15 16:23	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		09/22/15 16:23	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		09/22/15 16:23	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		09/22/15 16:23	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		09/22/15 16:23	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		09/22/15 16:23	1
Chlorobenzene	<5.7		5.7	1.4	ug/Kg	☼		09/22/15 16:23	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		09/22/15 16:23	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		09/22/15 16:23	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		09/22/15 16:23	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		09/22/15 16:23	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		09/22/15 16:23	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		09/22/15 16:23	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		09/22/15 16:23	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		09/22/15 16:23	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		09/22/15 16:23	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		09/22/15 16:23	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		09/22/15 16:23	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		09/22/15 16:23	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		09/22/15 16:23	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		09/22/15 16:23	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		09/22/15 16:23	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		09/22/15 16:23	1
Methyl tert-butyl ether	<5.7		5.7	1.4	ug/Kg	☼		09/22/15 16:23	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		09/22/15 16:23	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		09/22/15 16:23	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		09/22/15 16:23	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		09/22/15 16:23	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		09/22/15 16:23	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		09/22/15 16:23	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		09/22/15 16:23	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		09/22/15 16:23	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		09/22/15 16:23	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		09/22/15 16:23	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		09/22/15 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 122*		*09/22/15 16:23*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*09/22/15 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*09/22/15 16:23*	*1*
Toluene-d8 (Surr)	*111*		*75 - 122*		*09/22/15 16:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1

Client Sample ID: ITS-2(0-3.5)-092115
Date Collected: 09/21/15 15:27
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-2
Matrix: Solid
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Acenaphthene	**9.0**	**J**	36	6.6	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Anthracene	**28**	**J**	36	6.1	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Benzo[a]anthracene	**160**		36	4.9	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Benzo[a]pyrene	**190**		36	7.1	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Benzo[b]fluoranthene	**320**		36	7.9	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Benzo[g,h,i]perylene	**89**		36	12	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Benzo[k]fluoranthene	**140**		36	11	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Bis(2-chloroethyl)ether	<180	*	180	55	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Butyl benzyl phthalate	**100**	**J**	180	70	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Carbazole	<180		180	91	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Chrysene	**190**		36	10	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Dibenz(a,h)anthracene	**19**	**J**	36	7.1	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Fluoranthene	**380**		36	6.8	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Fluorene	**8.6**	**J**	36	5.1	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1

Client Sample ID: ITS-2(0-3.5)-092115
Date Collected: 09/21/15 15:27
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-2
Matrix: Solid
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**97**		36	9.5	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Isophorone	<180		180	41	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Phenanthrene	**160**		36	5.1	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Phenol	<180		180	81	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1
Pyrene	**360**		36	7.3	ug/Kg	☼	09/23/15 08:32	09/24/15 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*35 - 137*	*09/23/15 08:32*	*09/24/15 15:33*	*1*
2-Fluorobiphenyl	*90*		*25 - 119*	*09/23/15 08:32*	*09/24/15 15:33*	*1*
2-Fluorophenol	*90*		*25 - 110*	*09/23/15 08:32*	*09/24/15 15:33*	*1*
Nitrobenzene-d5	*78*		*25 - 115*	*09/23/15 08:32*	*09/24/15 15:33*	*1*
Phenol-d5	*93*		*31 - 110*	*09/23/15 08:32*	*09/24/15 15:33*	*1*
Terphenyl-d14	*112*		*36 - 134*	*09/23/15 08:32*	*09/24/15 15:33*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.050	0.010	mg/L		09/24/15 10:00	09/24/15 17:53	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		09/24/15 10:00	09/24/15 17:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 10:00	09/24/15 17:53	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		09/24/15 10:00	09/24/15 17:53	1
Chromium	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:53	1
Cobalt	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:53	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:53	1
Iron	<0.20		0.20	0.20	mg/L		09/24/15 10:00	09/24/15 17:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/24/15 10:00	09/24/15 17:53	1
Manganese	**0.42**		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:53	1
Nickel	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:53	1
Selenium	**0.024**	**J B**	0.050	0.020	mg/L		09/24/15 10:00	09/24/15 17:53	1
Silver	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 17:53	1
Zinc	**0.38**	**B**	0.10	0.020	mg/L		09/24/15 10:00	09/24/15 17:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.074**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 21:22	1
Barium	**0.52**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 21:22	1
Beryllium	**0.0066**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 21:22	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 21:22	1
Chromium	**0.14**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:22	1
Cobalt	**0.048**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:22	1
Copper	**0.21**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:22	1
Iron	**160**	**B**	0.20	0.20	mg/L		09/25/15 11:00	09/25/15 21:22	1
Lead	**0.24**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 21:22	1
Manganese	**0.88**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:22	1
Nickel	**0.19**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:22	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 21:22	1

Client Sample ID: ITS-2(0-3.5)-092115
Date Collected: 09/21/15 15:27
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-2
Matrix: Solid
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:22	1
Zinc	**0.50**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 21:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.63**	**J**	1.1	0.22	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Arsenic	**6.3**		0.54	0.25	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Barium	**78**		0.54	0.098	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Beryllium	**0.68**		0.21	0.046	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Cadmium	**0.49**		0.11	0.031	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Calcium	**39000**		11	3.4	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Chromium	**18**	**B**	0.54	0.092	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Cobalt	**7.3**		0.27	0.061	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Copper	**21**		0.54	0.12	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Iron	**16000**		11	4.1	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Lead	**72**		0.27	0.13	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Magnesium	**23000**		5.4	2.2	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Manganese	**380**		0.54	0.11	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Nickel	**16**		0.54	0.15	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Potassium	**1900**		27	4.4	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Selenium	**0.49**	**J**	0.54	0.27	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Sodium	**960**		54	7.1	mg/Kg	☼	09/22/15 19:40	09/24/15 13:49	1
Thallium	**1.4**		0.54	0.26	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Vanadium	**27**		0.27	0.078	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1
Zinc	**65**	**B**	1.1	0.34	mg/Kg	☼	09/22/15 19:40	09/23/15 16:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 09:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		19	6.6	ug/Kg	☼	09/23/15 15:30	09/24/15 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.80**		0.200	0.200	SU			09/26/15 11:26	1

Client Sample ID: ITS-1(0-3.5)-092115
Date Collected: 09/21/15 15:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-3
Matrix: Solid
Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		09/22/15 16:48	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		09/22/15 16:48	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		09/22/15 16:48	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		09/22/15 16:48	1
Bromomethane	<5.8		5.8	2.2	ug/Kg	☼		09/22/15 16:48	1
Carbon disulfide	<5.8		5.8	2.2	ug/Kg	☼		09/22/15 16:48	1
Carbon tetrachloride	<5.8		5.8	1.3	ug/Kg	☼		09/22/15 16:48	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 16:48	1
Chloroethane	<5.8		5.8	2.5	ug/Kg	☼		09/22/15 16:48	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		09/22/15 16:48	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 16:48	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		09/22/15 16:48	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		09/22/15 16:48	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		09/22/15 16:48	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		09/22/15 16:48	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		09/22/15 16:48	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		09/22/15 16:48	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		09/22/15 16:48	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		09/22/15 16:48	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 16:48	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		09/22/15 16:48	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		09/22/15 16:48	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		09/22/15 16:48	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		09/22/15 16:48	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 16:48	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 16:48	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.93	ug/Kg	☼		09/22/15 16:48	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		09/22/15 16:48	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		09/22/15 16:48	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		09/22/15 16:48	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		09/22/15 16:48	1
1,1,1-Trichloroethane	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 16:48	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		09/22/15 16:48	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		09/22/15 16:48	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		09/22/15 16:48	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/22/15 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*09/22/15 16:48*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*09/22/15 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*09/22/15 16:48*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*09/22/15 16:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1

Client Sample ID: ITS-1(0-3.5)-092115
Date Collected: 09/21/15 15:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2-Methylnaphthalene	<38		38	6.9	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Acenaphthene	**20**	**J**	38	6.8	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Anthracene	**99**		38	6.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Benzo[a]anthracene	**170**		38	5.1	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Benzo[a]pyrene	**170**		38	7.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Benzo[b]fluoranthene	**260**		38	8.2	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Benzo[g,h,i]perylene	**74**		38	12	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Benzo[k]fluoranthene	**110**		38	11	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Bis(2-chloroethyl)ether	<190	*	190	57	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Carbazole	<190		190	94	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Chrysene	**180**		38	10	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Dibenz(a,h)anthracene	**23**	**J**	38	7.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Fluoranthene	**480**		38	7.0	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Fluorene	**22**	**J**	38	5.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1

Client Sample ID: ITS-1(0-3.5)-092115
Date Collected: 09/21/15 15:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**81**		38	9.8	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Isophorone	<190		190	42	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Phenanthrene	**290**		38	5.3	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Phenol	<190		190	84	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1
Pyrene	**370**		38	7.5	ug/Kg	☼	09/23/15 08:32	09/24/15 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*35 - 137*	*09/23/15 08:32*	*09/24/15 14:41*	*1*
2-Fluorobiphenyl	*93*		*25 - 119*	*09/23/15 08:32*	*09/24/15 14:41*	*1*
2-Fluorophenol	*92*		*25 - 110*	*09/23/15 08:32*	*09/24/15 14:41*	*1*
Nitrobenzene-d5	*82*		*25 - 115*	*09/23/15 08:32*	*09/24/15 14:41*	*1*
Phenol-d5	*93*		*31 - 110*	*09/23/15 08:32*	*09/24/15 14:41*	*1*
Terphenyl-d14	*95*		*36 - 134*	*09/23/15 08:32*	*09/24/15 14:41*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		09/24/15 10:00	09/24/15 18:04	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		09/24/15 10:00	09/24/15 18:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 10:00	09/24/15 18:04	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		09/24/15 10:00	09/24/15 18:04	1
Chromium	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:04	1
Cobalt	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:04	1
Copper	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:04	1
Iron	<0.20		0.20	0.20	mg/L		09/24/15 10:00	09/24/15 18:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/24/15 10:00	09/24/15 18:04	1
Manganese	**0.12**		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:04	1
Nickel	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:04	1
Selenium	**0.029**	**J B**	0.050	0.020	mg/L		09/24/15 10:00	09/24/15 18:04	1
Silver	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:04	1
Zinc	<0.10		0.10	0.020	mg/L		09/24/15 10:00	09/24/15 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.11**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 21:28	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/25/15 11:00	09/25/15 21:28	1
Beryllium	**0.0081**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 21:28	1
Cadmium	**0.0029**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 21:28	1
Chromium	**0.17**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:28	1
Cobalt	**0.066**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:28	1
Copper	**0.34**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:28	1
Iron	**220**	**B**	0.20	0.20	mg/L		09/25/15 11:00	09/25/15 21:28	1
Lead	**0.19**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 21:28	1
Manganese	**0.99**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:28	1
Nickel	**0.26**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:28	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 21:28	1

Client Sample ID: ITS-1(0-3.5)-092115
Date Collected: 09/21/15 15:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:28	1
Zinc	**0.78**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 21:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.59**	**J**	1.1	0.24	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Arsenic	**9.7**		0.57	0.26	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Barium	**55**		0.57	0.10	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Beryllium	**0.72**		0.23	0.049	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Cadmium	**0.44**		0.11	0.033	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Calcium	**37000**		11	3.7	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Chromium	**20**	**B**	0.57	0.098	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Cobalt	**12**		0.29	0.065	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Copper	**29**		0.57	0.12	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Iron	**21000**		11	4.4	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Lead	**20**		0.29	0.14	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Magnesium	**22000**		5.7	2.3	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Manganese	**500**		0.57	0.11	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Nickel	**27**		0.57	0.15	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Potassium	**2700**		29	4.7	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Selenium	**0.50**	**J**	0.57	0.28	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Sodium	**1300**		57	7.5	mg/Kg	☼	09/22/15 19:40	09/24/15 13:54	1
Thallium	**1.5**		0.57	0.28	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Vanadium	**25**		0.29	0.083	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1
Zinc	**62**	**B**	1.1	0.36	mg/Kg	☼	09/22/15 19:40	09/23/15 16:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 09:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**34**		18	6.4	ug/Kg	☼	09/23/15 15:30	09/24/15 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.52**		0.200	0.200	SU			09/26/15 11:29	1

Client Sample ID: ITS-1(0-3.5)-092115D
Date Collected: 09/21/15 15:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-4
Matrix: Solid
Percent Solids: 85.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		09/22/15 17:13	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		09/22/15 17:13	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		09/22/15 17:13	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		09/22/15 17:13	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		09/22/15 17:13	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		09/22/15 17:13	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		09/22/15 17:13	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		09/22/15 17:13	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		09/22/15 17:13	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		09/22/15 17:13	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		09/22/15 17:13	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/22/15 17:13	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		09/22/15 17:13	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		09/22/15 17:13	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/22/15 17:13	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		09/22/15 17:13	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		09/22/15 17:13	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		09/22/15 17:13	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		09/22/15 17:13	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		09/22/15 17:13	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		09/22/15 17:13	1
Methylene Chloride	<5.9		5.9	4.4	ug/Kg	☼		09/22/15 17:13	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		09/22/15 17:13	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		09/22/15 17:13	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		09/22/15 17:13	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		09/22/15 17:13	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.93	ug/Kg	☼		09/22/15 17:13	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/22/15 17:13	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		09/22/15 17:13	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		09/22/15 17:13	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		09/22/15 17:13	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		09/22/15 17:13	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		09/22/15 17:13	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		09/22/15 17:13	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		09/22/15 17:13	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/22/15 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 122*		*09/22/15 17:13*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*09/22/15 17:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*09/22/15 17:13*	*1*
Toluene-d8 (Surr)	*107*		*75 - 122*		*09/22/15 17:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1

Client Sample ID: ITS-1(0-3.5)-092115D
Date Collected: 09/21/15 15:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-4
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	88	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2-Methylnaphthalene	<39		39	7.1	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Anthracene	**7.6**	**J**	39	6.5	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Benzo[a]anthracene	**37**	**J**	39	5.2	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Benzo[a]pyrene	**43**		39	7.5	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Benzo[b]fluoranthene	**71**		39	8.4	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Benzo[g,h,i]perylene	**21**	**J**	39	12	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Benzo[k]fluoranthene	**27**	**J**	39	11	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Bis(2-chloroethyl)ether	<190	*	190	58	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Carbazole	<190		190	97	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Chrysene	**45**		39	11	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Fluoranthene	**85**		39	7.2	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Fluorene	<39		39	5.4	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Hexachloroethane	<190		190	59	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1

Client Sample ID: ITS-1(0-3.5)-092115D
Date Collected: 09/21/15 15:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-4
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**23**	**J**	39	10	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Isophorone	<190		190	44	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Phenanthrene	**38**	**J**	39	5.4	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Phenol	<190		190	86	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1
Pyrene	**70**		39	7.7	ug/Kg	☼	09/23/15 08:32	09/24/15 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*09/23/15 08:32*	*09/24/15 15:07*	*1*
2-Fluorobiphenyl	*89*		*25 - 119*	*09/23/15 08:32*	*09/24/15 15:07*	*1*
2-Fluorophenol	*88*		*25 - 110*	*09/23/15 08:32*	*09/24/15 15:07*	*1*
Nitrobenzene-d5	*79*		*25 - 115*	*09/23/15 08:32*	*09/24/15 15:07*	*1*
Phenol-d5	*90*		*31 - 110*	*09/23/15 08:32*	*09/24/15 15:07*	*1*
Terphenyl-d14	*93*		*36 - 134*	*09/23/15 08:32*	*09/24/15 15:07*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		09/24/15 10:00	09/24/15 18:08	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/24/15 10:00	09/24/15 18:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 10:00	09/24/15 18:08	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		09/24/15 10:00	09/24/15 18:08	1
Chromium	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:08	1
Cobalt	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:08	1
Copper	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:08	1
Iron	<0.20		0.20	0.20	mg/L		09/24/15 10:00	09/24/15 18:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/24/15 10:00	09/24/15 18:08	1
Manganese	**0.23**		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:08	1
Nickel	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:08	1
Selenium	**0.026**	**J B**	0.050	0.020	mg/L		09/24/15 10:00	09/24/15 18:08	1
Silver	<0.025		0.025	0.010	mg/L		09/24/15 10:00	09/24/15 18:08	1
Zinc	**0.032**	**J B**	0.10	0.020	mg/L		09/24/15 10:00	09/24/15 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.12**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 21:51	1
Barium	**0.51**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 21:51	1
Beryllium	**0.0090**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 21:51	1
Cadmium	**0.0039**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 21:51	1
Chromium	**0.19**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:51	1
Cobalt	**0.069**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:51	1
Copper	**0.38**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:51	1
Iron	**240**	**B**	0.20	0.20	mg/L		09/25/15 11:00	09/25/15 21:51	1
Lead	**0.29**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 21:51	1
Manganese	**1.1**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:51	1
Nickel	**0.28**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:51	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 21:51	1

Client Sample ID: ITS-1(0-3.5)-092115D
Date Collected: 09/21/15 15:40
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101491-4
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 21:51	1
Zinc	**0.83**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 21:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.58**	**J**	1.1	0.23	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Arsenic	**10**		0.54	0.25	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Barium	**42**		0.54	0.099	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Beryllium	**0.68**		0.22	0.047	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Cadmium	**0.48**		0.11	0.031	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Calcium	**54000**		11	3.5	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Chromium	**17**	**B**	0.54	0.094	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Cobalt	**9.9**		0.27	0.061	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Copper	**30**		0.54	0.12	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Iron	**21000**		11	4.2	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Lead	**32**		0.27	0.14	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Magnesium	**33000**		5.4	2.2	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Manganese	**390**		0.54	0.11	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Nickel	**26**		0.54	0.15	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Potassium	**2900**		27	4.4	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Selenium	**0.52**	**J**	0.54	0.27	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Sodium	**1100**		54	7.2	mg/Kg	☼	09/22/15 19:40	09/24/15 13:59	1
Thallium	**1.6**		0.54	0.27	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Vanadium	**22**		0.27	0.079	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1
Zinc	**68**	**B**	1.1	0.34	mg/Kg	☼	09/22/15 19:40	09/23/15 16:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 09:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		18	6.2	ug/Kg	☼	09/23/15 15:30	09/24/15 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.50**		0.200	0.200	SU			09/26/15 11:32	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101491-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101491-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-101491 COC

Chain of Custody Record

Report To (optional)		Bill To (optional)	
Contact:	S. Babusukumar	Contact:	SAME
Company:	Weston Solutions	Company:	
Address:	300 Plaza Circle, Ste 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:		PO#/Reference#	

Lab Job #: 500-101491

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: 2.8

Client: Weston Solutions

Client Project #: 02056.04.029.0030

Project Name: IDOT 029-IL 38 (Roosevelt Rd)

Project Location/State: Oakbrook Terrace/Villa Park IL

Lab Project #:

Sampler: M-Doherty-Skelac

Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		ITS-3(0-3.5)-092115	9-21-15	1517	2	S	X	X	X	X	X					
2		ITS-2(0-3.5)-092115	9-21-15	1527	2	S	X	X	X	X	X					
3		ITS-1(0-3.5)-092115	9-21-15	1540	2	S	X	X	X	X	X					
4		ITS-1(0-3.5)-092115D	9-21-15	1540	2	S	X	X	X	X	X					
																LAST ITEM

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

Turnaround Time Required (Business Days)

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

Requested Due Date ____

Sample Disposal

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
M. Doherty	Weston	9-21-15		J. Neal	TA	9/21/15	1600
J. Neal	TA	9/21/15	1657	Sherri Scott	TA-CHI	9/22/15	0730

Lab Courier: TA

Shipped:

Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101490-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
9/30/2015 4:19:14 PM

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

Client Sample ID: ITS-5(0-3.5)-092115
Date Collected: 09/21/15 14:58
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-19
Matrix: Solid
Percent Solids: 79.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.9	ug/Kg	☼		09/23/15 17:48	1
Benzene	<6.3		6.3	1.4	ug/Kg	☼		09/23/15 17:48	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		09/23/15 17:48	1
Bromoform	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 17:48	1
Bromomethane	<6.3		6.3	2.3	ug/Kg	☼		09/23/15 17:48	1
Carbon disulfide	<6.3		6.3	2.3	ug/Kg	☼		09/23/15 17:48	1
Carbon tetrachloride	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 17:48	1
Chlorobenzene	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 17:48	1
Chloroethane	<6.3		6.3	2.6	ug/Kg	☼		09/23/15 17:48	1
Chloroform	<6.3		6.3	1.2	ug/Kg	☼		09/23/15 17:48	1
Chloromethane	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 17:48	1
cis-1,2-Dichloroethene	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 17:48	1
cis-1,3-Dichloropropene	<6.3		6.3	1.4	ug/Kg	☼		09/23/15 17:48	1
Dibromochloromethane	<6.3		6.3	0.72	ug/Kg	☼		09/23/15 17:48	1
1,1-Dichloroethane	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 17:48	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		09/23/15 17:48	1
1,1-Dichloroethene	<6.3		6.3	2.3	ug/Kg	☼		09/23/15 17:48	1
1,2-Dichloropropane	<6.3		6.3	1.6	ug/Kg	☼		09/23/15 17:48	1
1,3-Dichloropropene, Total	<6.3		6.3	1.8	ug/Kg	☼		09/23/15 17:48	1
Ethylbenzene	<6.3		6.3	1.6	ug/Kg	☼		09/23/15 17:48	1
2-Hexanone	<6.3		6.3	1.9	ug/Kg	☼		09/23/15 17:48	1
Methylene Chloride	<6.3		6.3	4.7	ug/Kg	☼		09/23/15 17:48	1
Methyl Ethyl Ketone	<6.3		6.3	2.2	ug/Kg	☼		09/23/15 17:48	1
methyl isobutyl ketone	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 17:48	1
Methyl tert-butyl ether	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 17:48	1
Styrene	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 17:48	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.0	ug/Kg	☼		09/23/15 17:48	1
Tetrachloroethene	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 17:48	1
Toluene	<6.3		6.3	2.2	ug/Kg	☼		09/23/15 17:48	1
trans-1,2-Dichloroethene	<6.3		6.3	1.6	ug/Kg	☼		09/23/15 17:48	1
trans-1,3-Dichloropropene	<6.3		6.3	1.8	ug/Kg	☼		09/23/15 17:48	1
1,1,1-Trichloroethane	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 17:48	1
1,1,2-Trichloroethane	<6.3		6.3	1.2	ug/Kg	☼		09/23/15 17:48	1
Trichloroethene	<6.3		6.3	1.7	ug/Kg	☼		09/23/15 17:48	1
Vinyl chloride	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 17:48	1
Xylenes, Total	<13		13	2.3	ug/Kg	☼		09/23/15 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 122*		*09/23/15 17:48*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*09/23/15 17:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*09/23/15 17:48*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*09/23/15 17:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1

Client Sample ID: ITS-5(0-3.5)-092115
Date Collected: 09/21/15 14:58
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-19
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2-Methylphenol	<200		200	65	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Acenaphthene	**21**	**J**	40	7.3	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Acenaphthylene	**15**	**J**	40	5.3	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Anthracene	**72**		40	6.8	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Benzo[a]anthracene	**550**		40	5.4	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Benzo[a]pyrene	**630**		40	7.8	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Benzo[b]fluoranthene	**1100**		40	8.7	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Benzo[g,h,i]perylene	**270**		40	13	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Benzo[k]fluoranthene	**420**		40	12	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Carbazole	<200		200	100	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Chrysene	**740**		40	11	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Dibenz(a,h)anthracene	**88**		40	7.8	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Fluoranthene	**1300**		40	7.5	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Fluorene	**26**	**J**	40	5.7	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Hexachloroethane	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1

Client Sample ID: ITS-5(0-3.5)-092115
Date Collected: 09/21/15 14:58
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-19
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**380**		40	10	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Isophorone	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Naphthalene	**6.6**	**J**	40	6.2	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Phenanthrene	**480**		40	5.6	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Phenol	<200		200	90	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1
Pyrene	**1200**		40	8.0	ug/Kg	☼	09/23/15 07:25	09/28/15 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*09/23/15 07:25*	*09/28/15 16:12*	*1*
2-Fluorobiphenyl	*80*		*25 - 119*	*09/23/15 07:25*	*09/28/15 16:12*	*1*
2-Fluorophenol	*109*		*25 - 110*	*09/23/15 07:25*	*09/28/15 16:12*	*1*
Nitrobenzene-d5	*82*		*25 - 115*	*09/23/15 07:25*	*09/28/15 16:12*	*1*
Phenol-d5	*101*		*31 - 110*	*09/23/15 07:25*	*09/28/15 16:12*	*1*
Terphenyl-d14	*112*		*36 - 134*	*09/23/15 07:25*	*09/28/15 16:12*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:12	09/30/15 15:02	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		09/29/15 13:12	09/30/15 15:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:12	09/30/15 15:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:12	09/30/15 15:02	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:02	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:02	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:02	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:12	09/30/15 15:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:12	09/30/15 15:02	1
Manganese	**0.023**	**J**	0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:02	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:02	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:12	09/30/15 15:02	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:02	1
Zinc	<0.10		0.10	0.020	mg/L		09/29/15 13:12	09/30/15 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/24/15 11:00	09/24/15 21:01	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		09/24/15 11:00	09/24/15 21:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 11:00	09/24/15 21:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/24/15 11:00	09/24/15 21:01	1
Chromium	**0.025**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:01	1
Cobalt	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:01	1
Copper	**0.038**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:01	1
Iron	**25**		0.20	0.20	mg/L		09/24/15 11:00	09/24/15 21:01	1
Lead	**0.030**		0.0075	0.0075	mg/L		09/24/15 11:00	09/24/15 21:01	1
Manganese	**0.13**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:01	1
Nickel	**0.028**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:01	1
Selenium	<0.050		0.050	0.020	mg/L		09/24/15 11:00	09/24/15 21:01	1

Client Sample ID: ITS-5(0-3.5)-092115
Date Collected: 09/21/15 14:58
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-19
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:01	1
Zinc	**0.17**	**B**	0.10	0.020	mg/L		09/24/15 11:00	09/24/15 21:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J**	1.2	0.26	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Arsenic	**11**		0.62	0.29	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Barium	**73**		0.62	0.11	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Beryllium	**0.87**		0.25	0.054	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Cadmium	**0.68**		0.12	0.036	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Calcium	**14000**		12	4.0	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Chromium	**21**		0.62	0.11	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Cobalt	**13**		0.31	0.071	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Copper	**31**	**B**	0.62	0.14	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Iron	**23000**		12	4.8	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Lead	**31**	**B**	0.31	0.16	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Magnesium	**11000**		6.2	2.5	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Manganese	**570**		0.62	0.12	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Nickel	**26**		0.62	0.17	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Potassium	**2400**		31	5.1	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Selenium	**1.3**		0.62	0.31	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Sodium	**160**		62	8.2	mg/Kg	☼	09/28/15 12:00	09/29/15 02:56	1
Thallium	**0.31**	**J**	0.62	0.31	mg/Kg	☼	09/28/15 12:00	09/29/15 02:56	1
Vanadium	**28**		0.31	0.091	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1
Zinc	**68**		1.2	0.40	mg/Kg	☼	09/28/15 12:00	09/28/15 20:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 10:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**42**		19	6.6	ug/Kg	☼	09/23/15 15:30	09/24/15 12:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.09**		0.200	0.200	SU			09/26/15 11:18	1

Client Sample ID: ITS-4(0-3.5)-092115
Date Collected: 09/21/15 15:04
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-20
Matrix: Solid
Percent Solids: 84.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		09/23/15 18:13	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 18:13	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/23/15 18:13	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 18:13	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 18:13	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 18:13	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 18:13	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 18:13	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		09/23/15 18:13	1
Chloroform	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 18:13	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 18:13	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 18:13	1
cis-1,3-Dichloropropene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 18:13	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		09/23/15 18:13	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 18:13	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		09/23/15 18:13	1
1,1-Dichloroethene	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 18:13	1
1,2-Dichloropropane	<5.9		5.9	1.6	ug/Kg	☼		09/23/15 18:13	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		09/23/15 18:13	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 18:13	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		09/23/15 18:13	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		09/23/15 18:13	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		09/23/15 18:13	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 18:13	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 18:13	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 18:13	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		09/23/15 18:13	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 18:13	1
Toluene	<5.9		5.9	2.1	ug/Kg	☼		09/23/15 18:13	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 18:13	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		09/23/15 18:13	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 18:13	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		09/23/15 18:13	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		09/23/15 18:13	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 18:13	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/23/15 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 122*		*09/23/15 18:13*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*09/23/15 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*		*09/23/15 18:13*	*1*
Toluene-d8 (Surr)	*108*		*75 - 122*		*09/23/15 18:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1

Client Sample ID: ITS-4(0-3.5)-092115
Date Collected: 09/21/15 15:04
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-20
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2-Methylphenol	<200		200	62	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Acenaphthene	**22**	**J**	39	7.0	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Acenaphthylene	**6.0**	**J**	39	5.1	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Anthracene	**62**		39	6.5	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Benzo[a]anthracene	**270**		39	5.2	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Benzo[a]pyrene	**280**		39	7.5	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Benzo[b]fluoranthene	**490**		39	8.4	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Benzo[g,h,i]perylene	**120**		39	13	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Benzo[k]fluoranthene	**190**		39	11	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Carbazole	<200		200	97	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Chrysene	**330**		39	11	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Dibenz(a,h)anthracene	**36**	**J**	39	7.5	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Fluoranthene	**720**		39	7.2	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Fluorene	**21**	**J**	39	5.5	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Hexachloroethane	<200		200	59	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101490-1

Client Sample ID: ITS-4(0-3.5)-092115
Date Collected: 09/21/15 15:04
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-20
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**170**		39	10	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Isophorone	<200		200	44	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Pentachlorophenol	<790		790	620	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Phenanthrene	**390**		39	5.4	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Phenol	<200		200	86	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1
Pyrene	**650**		39	7.7	ug/Kg	☼	09/23/15 07:25	09/28/15 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*09/23/15 07:25*	*09/28/15 15:44*	*1*
2-Fluorobiphenyl	*76*		*25 - 119*	*09/23/15 07:25*	*09/28/15 15:44*	*1*
2-Fluorophenol	*105*		*25 - 110*	*09/23/15 07:25*	*09/28/15 15:44*	*1*
Nitrobenzene-d5	*81*		*25 - 115*	*09/23/15 07:25*	*09/28/15 15:44*	*1*
Phenol-d5	*98*		*31 - 110*	*09/23/15 07:25*	*09/28/15 15:44*	*1*
Terphenyl-d14	*97*		*36 - 134*	*09/23/15 07:25*	*09/28/15 15:44*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:12	09/30/15 15:09	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/29/15 13:12	09/30/15 15:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:12	09/30/15 15:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:12	09/30/15 15:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:09	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:09	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:12	09/30/15 15:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:12	09/30/15 15:09	1
Manganese	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:09	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:09	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:12	09/30/15 15:09	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:12	09/30/15 15:09	1
Zinc	<0.10		0.10	0.020	mg/L		09/29/15 13:12	09/30/15 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.021**	**J**	0.050	0.010	mg/L		09/24/15 11:00	09/24/15 21:05	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		09/24/15 11:00	09/24/15 21:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/24/15 11:00	09/24/15 21:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/24/15 11:00	09/24/15 21:05	1
Chromium	**0.031**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:05	1
Cobalt	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:05	1
Copper	**0.055**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:05	1
Iron	**39**		0.20	0.20	mg/L		09/24/15 11:00	09/24/15 21:05	1
Lead	**0.027**		0.0075	0.0075	mg/L		09/24/15 11:00	09/24/15 21:05	1
Manganese	**0.18**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:05	1
Nickel	**0.043**		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:05	1
Selenium	<0.050		0.050	0.020	mg/L		09/24/15 11:00	09/24/15 21:05	1

Client Sample ID: ITS-4(0-3.5)-092115
Date Collected: 09/21/15 15:04
Date Received: 09/22/15 07:30

Lab Sample ID: 500-101490-20
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/24/15 11:00	09/24/15 21:05	1
Zinc	**0.16**	**B**	0.10	0.020	mg/L		09/24/15 11:00	09/24/15 21:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J**	1.2	0.24	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Arsenic	**11**		0.58	0.27	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Barium	**73**		0.58	0.11	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Beryllium	**0.78**		0.23	0.051	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Cadmium	**0.63**		0.12	0.034	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Calcium	**14000**		12	3.8	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Chromium	**20**		0.58	0.10	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Cobalt	**11**		0.29	0.066	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Copper	**29**	**B**	0.58	0.13	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Iron	**22000**		12	4.5	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Lead	**40**	**B**	0.29	0.15	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Magnesium	**10000**		5.8	2.4	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Manganese	**490**		0.58	0.12	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Nickel	**24**		0.58	0.16	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Potassium	**2100**		29	4.8	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Selenium	**1.4**		0.58	0.29	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Silver	**0.13**	**J**	0.29	0.068	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Sodium	**85**		58	7.7	mg/Kg	☼	09/28/15 12:00	09/29/15 03:01	1
Thallium	**0.33**	**J**	0.58	0.29	mg/Kg	☼	09/28/15 12:00	09/29/15 03:01	1
Vanadium	**27**		0.29	0.085	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1
Zinc	**76**		1.2	0.37	mg/Kg	☼	09/28/15 12:00	09/28/15 20:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/24/15 13:30	09/25/15 10:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**51**		18	6.1	ug/Kg	☼	09/23/15 15:30	09/24/15 12:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.23**		0.200	0.200	SU			09/26/15 11:21	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101490-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-101490 COC

Chain of Custody Record

Lab Job #: 500-101490

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.8

Report To (optional)	Bill To (optional)
Contact: S. Bahosy Kunkim	Contact: SAME
Company: Weston Solutions	Company:
Address: 300 Plaza Circle, Ste 202	Address:
Address: Lindelein, IL 60060	Address:
Phone: 224-864-7250	Phone:
Fax: 724-864-7236	Fax:
E-Mail:	PO#/Reference#

Client	Client Project #
Weston Solutions	02056-014.029-0030
Project Name: IDOT 029 - IL38 (Roosevelt Rd)	
Project Location/State: Oak Brook Terrace/Villa Park, IL	Lab Project #
Sampler: M. Doheny-Skibic	Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		BHB-1(0-2)-092115	9-21-15	0858	2	S		X	X	X	X	X					
2		BHB-1(0-2)-092115D		0858													
3		BHB-2(0-2)-092115		0923													
4		BHB-3(0-2)-092115		0940													
5		CB5-1(0-1)-092115		0955													
6		CB5-2(0-1)-092115		1009													
7		CB6-1(0-3.5)-092115		1215													
8		CB6-2(0-3.5)-092115		1230													
9		CB6-3(0-3.5)-092115		1240													
10		SE-1(0-3.5)-092115	9-21-15	1255	2	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	9-21-15		B. Neal	TA	9/21/15	1600
B. Neal	TA	9/21/15	1657	[illegible]	TA-CHT	9/22/15	0730
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-590 (1209)

9/30/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101490

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

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

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

Client: Weston Solutions.
Client Project #: 02056.014.029.00
Project Name: IDOT 029-IL38 (Roosevelt Rd)
Project Location/State: Oakbrook Terrace/Villa Park, IL
Lab Project #:
Sampler: M. Doheny-SKubic
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP Metals	pH	Comments
11		SE-2(0-3.5)-092115	9-21-15	1305	2	S	X	X	X	X	X	
12		AZ-1(0-1)-092115	9-21-15	1318								
13		AZ-1(0-1)-092115D		1318								
14		BB-1(0-1)-092115		1333								
15		CB28-1(0-1)-092115		1346								
16		GP-1(0-2)-092115		1400								
17		GP-2(0-2)-092115		1417								
18		GP-3(0-2)-092115		1432								
19		ITS-5(0-3.5)-092115		1458								
20		ITS-4(0-3.5)-092115	9-21-15	1504	2	S	X	X	X	X	X	

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

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

	Company	Date	Time
Relinquished By: [illegible]	Weston	9-21-15	
Relinquished By: [illegible]	TA	9/21/15	1657
Relinquished By	Company	Date	Time
Received By: [illegible]	TA	9/21/15	1600
Received By: [illegible]	TA-CAN	9/22/15	0730
Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124 (500) (1209)

9/30/2015

Illinois Environmental Protection Agency

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, inclduding number and street):
400 E. Roosevelt Road (ISGS Site No. 2482V-46)

City: Villa Park State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860884212 (Decimal Degrees) Longitude: -87.967108355 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860884212 Longitude: -87.967108355

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS CC-3, CC-5, CC-6, AND CC-8 THROUGH CC-10 WERE SAMPLED ADJACENT TO ISGS SITE No. 2482V-46. SEE FIGURES 3-5 AND 3-6, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101547-1.
TEST AMERICA REPORT - JOB ID: 500-101548-1.
ALSO SEE FIGURES 4-5 AND 4-6 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

Licensed Professional Engineer of Illinois
WILLIAM F. KARLOVITZ
No. 062-052500

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

Summary Table of ISGS Site No. 2482V-46
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	CC-3(0-2)-092215	CC-5(0-2)-092215	CC-6(0-1)-092215	CC-8(0-2)-092215	CC-9(0-0.5)-092215	CC-10(0-2)-092215	**Soil Reference Concentrations[A]**
Sample Date	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	
Depth	0 - 2	0 - 2	0 - 1	0 - 2	0 - 0.5	0 - 2	
ISGS Site No.	2482V-46	2482V-46	2482V-46	2482V-46	2482V-46	2482V-46	
Parameter							
Laboratory pH	8.89	8.56	8.82	8.39	8.84	8.82	<6.25, >9.0
VOCs	**None Detected**						
SVOCs (ug/kg)							
Acenaphthene	42 J	ND	17 J	ND	24 J	ND	570000
Acenaphthylene	ND	ND	ND	ND	8.9 J	ND	---
Anthracene	200	37 J	53	9.4 J	82	ND	1.20E+07
Benzo(a)anthracene	1000	220	340	69	680	33 J	900 / 1100 / 1800
Benzo(a)pyrene	1200	250	380	89	830	41	90 / 1300 / 2100
Benzo(b)fluoranthene	1900	400	760	160	1600	68	900 / 1500 / 2100
Benzo(g,h,i)perylene	370	130	160	55	450	34 J	---
Benzo(k)fluoranthene	730	130	210	50	550	23 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	220	ND	46000
Chrysene	1200	270	430	88	830	46	88000
Dibenzo(a,h)anthracene	79 J	32 J	45	13 J	110	8.4 J	90 / 200 / 420
Di-N-Butyl phthalate	ND	60 J	ND	ND	ND	ND	2300000
Fluoranthene	2600	570	920	150	1300	77	3100000
Fluorene	54 J	9.6 J	18 J	ND	24 J	ND	560000
Indeno(1,2,3-cd)pyrene	390	150	180	52	470	34 J	900 / 900 / 1600
Phenanthrene	1200	230	380	56	590	27 J	---
Pyrene	2600	470	750	120	2500	58	2300000

Summary Table of ISGS Site No. 2482V-46
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	CC-3(0-2)-092215	CC-5(0-2)-092215	CC-6(0-1)-092215	CC-8(0-2)-092215	CC-9(0-0.5)-092215	CC-10(0-2)-092215	Soil Reference Concentrations[A]
Sample Date	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	
Depth	0 - 2	0 - 2	0 - 1	0 - 2	0 - 0.5	0 - 2	
ISGS Site No.	2482V-46	2482V-46	2482V-46	2482V-46	2482V-46	2482V-46	
Parameter							
Total Metals (mg/kg)							
Antimony, Total	ND	0.44 J	ND	0.28 J	0.32 J	ND	5
Arsenic, Total	7.7	12	7.8	6.2	4.4	8.9	11.3 / 13.0
Barium, Total	82	55	100	88	98	93	1500
Beryllium, Total	0.66	0.68	0.72	0.62	0.66	0.82	22
Cadmium, Total	1.5	0.27	0.41	0.29	0.43	0.14	5.2
Calcium, Total	5600	23000 J	7900 J	33000 J	28000 J	4700 J	---
Chromium, Total	21	16	15	12	18	16	21
Cobalt, Total	9.9	14	7.8	7.7	8.2	15	20
Copper, Total	28	35 B	24 B	18 B	22 B	25 B	2900
Iron, Total	18000	26000 J	17000 J	15000 J	14000 J	23000 J	15000 / 15900
Lead, Total	89	52 J	38 J	58 J	31 J	33 J	107
Magnesium, Total	4200 B	15000 J	4500 J	20000 J	16000 J	4100 J	325000
Manganese, Total	400	350 J	380 J	410 J	480 J	540 J	630 / 636
Mercury, Total	0.029	0.065	0.054	0.051	0.03	0.031	0.89
Nickel, Total	23	35	21	17	18	28	100
Potassium, Total	1000	1200 J+	1500 J+	980 J+	840 J+	950 J+	---
Selenium, Total	0.8	ND	0.79 J-	0.3 J	0.33 J	0.52 J	1.3
Sodium, Total	1200	1100 B	2400 B	1700 B	1200 B	1300 B	---
Vanadium, Total	22	17	17	17	18	21	550
Zinc, Total	240	82	97	76	78	62	5100
TCLP Metals (mg/l)							
Barium, TCLP	0.5	0.43 J	0.44 J	0.49 J	0.48 J	0.49 J	2
Cadmium, TCLP	0.006	0.0029 J	0.0023 J	0.0026 J	0.0028 J	0.0022 J	0.005
Cobalt, TCLP	0.023 J	ND	ND	ND	ND	ND	1
Lead, TCLP	0.012	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	3.5	0.25	0.31	0.36	0.2	0.28	0.15
Nickel, TCLP	0.023 J	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	0.29	0.079 J	0.04 J	0.16	0.047 J	0.22	5

Summary Table of ISGS Site No. 2482V-46
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	CC-3(0-2)-092215	CC-5(0-2)-092215	CC-6(0-1)-092215	CC-8(0-2)-092215	CC-9(0-0.5)-092215	CC-10(0-2)-092215	**Soil Reference Concentrations[A]**
Sample Date	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	
Depth	0 - 2	0 - 2	0 - 1	0 - 2	0 - 0.5	0 - 2	
ISGS Site No.	2482V-46	2482V-46	2482V-46	2482V-46	2482V-46	2482V-46	
Parameter							
SPLP Metals (mg/l)							
Arsenic, SPLP	0.055	0.11	0.062	0.058	0.03 J	0.072	0.05
Barium, SPLP	0.47 J	0.86	0.85	0.9	0.63	0.97	2
Beryllium, SPLP	0.0053	0.0097	0.0069	0.0075	0.0049	0.0082	0.004
Cadmium, SPLP	ND	0.0045 J	0.003 J	0.0035 J	ND	0.0029 J	0.005
Chromium, SPLP	0.11	0.23	0.18	0.2	0.14	0.19	0.1
Cobalt, SPLP	0.032	0.059	0.041	0.037	0.028	0.036	1
Copper, SPLP	0.17	0.38	0.18	0.2	0.12	0.26	0.65
Iron, SPLP	120 J+	270	180	190	120	210	5
Lead, SPLP	0.12	0.29	0.17	0.35	0.14	0.17	0.0075
Manganese, SPLP	0.63	1	1.1	1.1	0.86	0.87	0.15
Nickel, SPLP	0.13	0.28	0.15	0.16	0.093	0.21	0.1
Zinc, SPLP	0.47 J-	0.88	0.79	0.82	0.55	0.92	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101548-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/1/2015 4:45:29 PM

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

Client Sample ID: CC-3(0-2)-092215
Date Collected: 09/22/15 13:07
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-3
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		09/23/15 20:19	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 20:19	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		09/23/15 20:19	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 20:19	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 20:19	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 20:19	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 20:19	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 20:19	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		09/23/15 20:19	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		09/23/15 20:19	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 20:19	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 20:19	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 20:19	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		09/23/15 20:19	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 20:19	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		09/23/15 20:19	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		09/23/15 20:19	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 20:19	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		09/23/15 20:19	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 20:19	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		09/23/15 20:19	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		09/23/15 20:19	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		09/23/15 20:19	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 20:19	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 20:19	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 20:19	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		09/23/15 20:19	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 20:19	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		09/23/15 20:19	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 20:19	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		09/23/15 20:19	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 20:19	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		09/23/15 20:19	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		09/23/15 20:19	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 20:19	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/23/15 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*09/23/15 20:19*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*09/23/15 20:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*09/23/15 20:19*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*09/23/15 20:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<970		970	210	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
1,2-Dichlorobenzene	<970		970	230	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
1,3-Dichlorobenzene	<970		970	220	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
1,4-Dichlorobenzene	<970		970	250	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2,2'-oxybis[1-chloropropane]	<970	*	970	220	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5

Client Sample ID: CC-3(0-2)-092215
Date Collected: 09/22/15 13:07
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-3
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1900		1900	440	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2,4,6-Trichlorophenol	<1900		1900	660	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2,4-Dichlorophenol	<1900		1900	460	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2,4-Dimethylphenol	<1900		1900	730	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2,4-Dinitrophenol	<3900		3900	3400	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2,4-Dinitrotoluene	<970		970	310	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2,6-Dinitrotoluene	<970		970	380	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2-Chloronaphthalene	<970		970	210	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2-Chlorophenol	<970		970	330	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2-Methylnaphthalene	<190		190	35	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2-Methylphenol	<970		970	310	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2-Nitroaniline	<970		970	260	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
2-Nitrophenol	<1900		1900	450	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
3 & 4 Methylphenol	<970		970	320	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
3,3'-Dichlorobenzidine	<970		970	270	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
3-Nitroaniline	<1900		1900	600	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
4,6-Dinitro-2-methylphenol	<3900		3900	1500	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
4-Bromophenyl phenyl ether	<970		970	250	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
4-Chloro-3-methylphenol	<1900		1900	650	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
4-Chloroaniline	<3900		3900	900	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
4-Chlorophenyl phenyl ether	<970		970	220	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
4-Nitroaniline	<1900		1900	800	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
4-Nitrophenol	<3900		3900	1800	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Acenaphthene	**42**	**J**	190	35	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Acenaphthylene	<190		190	25	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Anthracene	**200**		190	32	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Benzo[a]anthracene	**1000**		190	26	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Benzo[a]pyrene	**1200**		190	37	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Benzo[b]fluoranthene	**1900**		190	41	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Benzo[g,h,i]perylene	**370**		190	62	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Benzo[k]fluoranthene	**730**		190	57	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Bis(2-chloroethoxy)methane	<970		970	200	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Bis(2-chloroethyl)ether	<970		970	290	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Bis(2-ethylhexyl) phthalate	<970		970	350	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Butyl benzyl phthalate	<970		970	370	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Carbazole	<970		970	480	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Chrysene	**1200**		190	52	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Dibenz(a,h)anthracene	**79**	**J**	190	37	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Dibenzofuran	<970		970	220	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Diethyl phthalate	<970		970	330	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Dimethyl phthalate	<970		970	250	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Di-n-butyl phthalate	<970		970	290	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Di-n-octyl phthalate	<970		970	310	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Fluoranthene	**2600**		190	36	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Fluorene	**54**	**J**	190	27	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Hexachlorobenzene	<390		390	45	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Hexachlorobutadiene	<970		970	300	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Hexachlorocyclopentadiene	<3900		3900	1100	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Hexachloroethane	<970		970	290	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5

Client Sample ID: CC-3(0-2)-092215
Date Collected: 09/22/15 13:07
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-3
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**390**		190	50	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Isophorone	<970		970	220	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Naphthalene	<190		190	30	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Nitrobenzene	<190		190	48	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
N-Nitrosodi-n-propylamine	<970		970	230	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
N-Nitrosodiphenylamine	<970		970	230	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Pentachlorophenol	<3900		3900	3100	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Phenanthrene	**1200**		190	27	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Phenol	<970		970	430	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5
Pyrene	**2600**		190	38	ug/Kg	☼	09/23/15 15:52	09/25/15 18:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*09/23/15 15:52*	*09/25/15 18:42*	*5*
2-Fluorobiphenyl	*87*		*25 - 119*	*09/23/15 15:52*	*09/25/15 18:42*	*5*
2-Fluorophenol	*86*		*25 - 110*	*09/23/15 15:52*	*09/25/15 18:42*	*5*
Nitrobenzene-d5	*59*		*25 - 115*	*09/23/15 15:52*	*09/25/15 18:42*	*5*
Phenol-d5	*83*		*31 - 110*	*09/23/15 15:52*	*09/25/15 18:42*	*5*
Terphenyl-d14	*129*		*36 - 134*	*09/23/15 15:52*	*09/25/15 18:42*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/30/15 10:00	10/01/15 13:41	1
Barium	**0.50**		0.50	0.050	mg/L		09/30/15 10:00	10/01/15 13:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/30/15 10:00	10/01/15 13:41	1
Cadmium	**0.0060**		0.0050	0.0020	mg/L		09/30/15 10:00	10/01/15 13:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/30/15 10:00	10/01/15 13:41	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		09/30/15 10:00	10/01/15 13:41	1
Copper	<0.025		0.025	0.010	mg/L		09/30/15 10:00	10/01/15 13:41	1
Iron	<0.20		0.20	0.20	mg/L		09/30/15 10:00	10/01/15 13:41	1
Lead	**0.012**		0.0075	0.0075	mg/L		09/30/15 10:00	10/01/15 13:41	1
Manganese	**3.5**		0.025	0.010	mg/L		09/30/15 10:00	10/01/15 13:41	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		09/30/15 10:00	10/01/15 13:41	1
Selenium	<0.050		0.050	0.020	mg/L		09/30/15 10:00	10/01/15 13:41	1
Silver	<0.025		0.025	0.010	mg/L		09/30/15 10:00	10/01/15 13:41	1
Zinc	**0.29**		0.10	0.020	mg/L		09/30/15 10:00	10/01/15 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.055**		0.050	0.010	mg/L		09/27/15 17:50	09/28/15 13:05	1
Barium	**0.47**	**J B**	0.50	0.050	mg/L		09/27/15 17:50	09/28/15 13:05	1
Beryllium	**0.0053**		0.0040	0.0040	mg/L		09/27/15 17:50	09/28/15 13:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/27/15 17:50	09/28/15 13:05	1
Chromium	**0.11**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:05	1
Cobalt	**0.032**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:05	1
Copper	**0.17**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:05	1
Iron	**120**		0.20	0.20	mg/L		09/27/15 17:50	09/28/15 13:05	1
Lead	**0.12**		0.0075	0.0075	mg/L		09/27/15 17:50	09/28/15 13:05	1
Manganese	**0.63**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:05	1
Nickel	**0.13**		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:05	1
Selenium	<0.050		0.050	0.020	mg/L		09/27/15 17:50	09/28/15 13:05	1

Client Sample ID: CC-3(0-2)-092215
Date Collected: 09/22/15 13:07
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101548-3
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/27/15 17:50	09/28/15 13:05	1
Zinc	**0.47**	**B**	0.10	0.020	mg/L		09/27/15 17:50	09/28/15 13:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Arsenic	**7.7**		0.56	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Barium	**82**		0.56	0.10	mg/Kg	☼	09/25/15 11:30	09/27/15 15:16	1
Beryllium	**0.66**		0.22	0.049	mg/Kg	☼	09/25/15 11:30	09/27/15 15:16	1
Cadmium	**1.5**		0.11	0.032	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Calcium	**5600**		11	3.6	mg/Kg	☼	09/25/15 11:30	09/27/15 15:16	1
Chromium	**21**		0.56	0.096	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Cobalt	**9.9**		0.28	0.063	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Copper	**28**		0.56	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Iron	**18000**		11	4.3	mg/Kg	☼	09/25/15 11:30	09/27/15 15:16	1
Lead	**89**		0.28	0.14	mg/Kg	☼	09/25/15 11:30	09/27/15 15:16	1
Magnesium	**4200**	**B**	5.6	2.3	mg/Kg	☼	09/25/15 11:30	09/27/15 15:16	1
Manganese	**400**		0.56	0.11	mg/Kg	☼	09/25/15 11:30	09/27/15 15:16	1
Nickel	**23**		0.56	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Potassium	**1000**		28	4.6	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Selenium	**0.80**		0.56	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Sodium	**1200**		56	7.4	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Vanadium	**22**		0.28	0.082	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1
Zinc	**240**		1.1	0.35	mg/Kg	☼	09/25/15 11:30	09/25/15 20:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/15 15:30	10/01/15 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/15 15:45	09/29/15 09:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		17	6.1	ug/Kg	☼	09/24/15 15:30	09/25/15 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.89**		0.200	0.200	SU			09/28/15 15:25	1

Qualifiers

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101548-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101548

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 3.7

Report To (optional)
Contact: S. Babasu Kumar
Company: Weston Solutions INC
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

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

Client: Weston Solutions
Client Project #: 02056.014.029.0030
Project Name: IDOT 029 - IL38 (Roosevelt Rd)
Project Location/State: Oak Brook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					Comments
		Preservative					7	7	7	7	7					
		Parameter														
1		CC-4(0-0.5)-092215	9-22-15	1256	2	S	X	X	X	X	X					
2		CC-4(0-0.5)-092215D		1256												
3		CC3(0-2)-092215		1307												
4		CC-2(0-1)-092215		1320												
5		CC-1(0-1)-092215		1331												
6		CCR2(0-1)-092215		1349												
7		CCR-1(0-1)-092215		1403												
8		HSL-1(0-1.5)-092215		1411												
9		SAS-4(0-1)-092215		1420												
10		SAS-3(0-1)-092215	9-22-15	1434	2	S	X	X	X	X	X					

9. Other

500-101548 COC

Key
to 4°
o 4°
to 4°
ool to 4°

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

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

	Company	Date	Time		Company	Date	Time
Relinquished By: Alex Turkasz	Weston	9/22/15	1600	Received By:	TA	9/22/15	1600
Relinquished By:	TA	9/22/15	1707	Received By:	TA GHL	09/22/15	1707
Relinquished By:				Received By:			

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-101548

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.7

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

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

Client: Weston Solutions
Client Project #: 02056-014.026.0030
Project Name: IDOT 029 - IL 38 (Roosevelt Road)
Project Location/State: OakBrook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	PH					Comments
							Parameter	7	7	7	7	7					
11		SAS-2(0-1)-092215	9-22-15	1458	2	S		X	X	X	X	X					
12		SAS-1(0-1.5)-092215	↓	1509	↓	↓		↓	↓	↓	↓	↓					
13		SAS-1(0-1.5)-092215D		1509													
14		TH-4(0-1.5)-092215		1523													
15		TH-3(0-1.5)-092215	9-22-15	1534	2	S		X	X	X	X	X					
A																	LAST REMA

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600	[illegible]	TA	9/22/15	1600
[illegible]	TA	9/22/15	1707	[illegible]	TA-CHI	09/22/15	17:07

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101547-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/1/2015 4:48:07 PM

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

Client Sample ID: CC-10(0-2)-092215
Date Collected: 09/22/15 11:47
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-15
Matrix: Solid
Percent Solids: 80.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		09/23/15 17:09	1
Benzene	<6.2		6.2	1.4	ug/Kg	☼		09/23/15 17:09	1
Bromodichloromethane	<6.2		6.2	1.0	ug/Kg	☼		09/23/15 17:09	1
Bromoform	<6.2		6.2	1.3	ug/Kg	☼		09/23/15 17:09	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼		09/23/15 17:09	1
Carbon disulfide	<6.2		6.2	2.3	ug/Kg	☼		09/23/15 17:09	1
Carbon tetrachloride	<6.2		6.2	1.3	ug/Kg	☼		09/23/15 17:09	1
Chlorobenzene	<6.2		6.2	1.5	ug/Kg	☼		09/23/15 17:09	1
Chloroethane	<6.2		6.2	2.6	ug/Kg	☼		09/23/15 17:09	1
Chloroform	<6.2		6.2	1.2	ug/Kg	☼		09/23/15 17:09	1
Chloromethane	<6.2		6.2	1.5	ug/Kg	☼		09/23/15 17:09	1
cis-1,2-Dichloroethene	<6.2		6.2	1.3	ug/Kg	☼		09/23/15 17:09	1
cis-1,3-Dichloropropene	<6.2		6.2	1.4	ug/Kg	☼		09/23/15 17:09	1
Dibromochloromethane	<6.2		6.2	0.71	ug/Kg	☼		09/23/15 17:09	1
1,1-Dichloroethane	<6.2		6.2	1.3	ug/Kg	☼		09/23/15 17:09	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		09/23/15 17:09	1
1,1-Dichloroethene	<6.2		6.2	2.3	ug/Kg	☼		09/23/15 17:09	1
1,2-Dichloropropane	<6.2		6.2	1.6	ug/Kg	☼		09/23/15 17:09	1
1,3-Dichloropropene, Total	<6.2		6.2	1.8	ug/Kg	☼		09/23/15 17:09	1
Ethylbenzene	<6.2		6.2	1.5	ug/Kg	☼		09/23/15 17:09	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼		09/23/15 17:09	1
Methylene Chloride	<6.2		6.2	4.7	ug/Kg	☼		09/23/15 17:09	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		09/23/15 17:09	1
methyl isobutyl ketone	<6.2		6.2	1.3	ug/Kg	☼		09/23/15 17:09	1
Methyl tert-butyl ether	<6.2		6.2	1.5	ug/Kg	☼		09/23/15 17:09	1
Styrene	<6.2		6.2	1.5	ug/Kg	☼		09/23/15 17:09	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.99	ug/Kg	☼		09/23/15 17:09	1
Tetrachloroethene	<6.2		6.2	1.3	ug/Kg	☼		09/23/15 17:09	1
Toluene	<6.2		6.2	2.2	ug/Kg	☼		09/23/15 17:09	1
trans-1,2-Dichloroethene	<6.2		6.2	1.6	ug/Kg	☼		09/23/15 17:09	1
trans-1,3-Dichloropropene	<6.2		6.2	1.8	ug/Kg	☼		09/23/15 17:09	1
1,1,1-Trichloroethane	<6.2		6.2	1.4	ug/Kg	☼		09/23/15 17:09	1
1,1,2-Trichloroethane	<6.2		6.2	1.2	ug/Kg	☼		09/23/15 17:09	1
Trichloroethene	<6.2		6.2	1.7	ug/Kg	☼		09/23/15 17:09	1
Vinyl chloride	<6.2		6.2	1.5	ug/Kg	☼		09/23/15 17:09	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		09/23/15 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*09/23/15 17:09*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*09/23/15 17:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*09/23/15 17:09*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*09/23/15 17:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1

Client Sample ID: CC-10(0-2)-092215
Date Collected: 09/22/15 11:47
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-15
Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2-Methylnaphthalene	<40		40	7.3	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Acenaphthylene	<40		40	5.2	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Benzo[a]anthracene	**33**	**J**	40	5.4	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Benzo[a]pyrene	**41**		40	7.7	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Benzo[b]fluoranthene	**68**		40	8.6	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Benzo[g,h,i]perylene	**34**	**J**	40	13	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Benzo[k]fluoranthene	**23**	**J**	40	12	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Carbazole	<200		200	99	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Chrysene	**46**		40	11	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Dibenz(a,h)anthracene	**8.4**	**J**	40	7.7	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Fluoranthene	**77**		40	7.4	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1

Client Sample ID: CC-10(0-2)-092215
Date Collected: 09/22/15 11:47
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-15
Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**34**	**J**	40	10	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Isophorone	<200		200	45	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Naphthalene	<40		40	6.1	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Phenanthrene	**27**	**J**	40	5.5	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Phenol	<200		200	88	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1
Pyrene	**58**		40	7.9	ug/Kg	☼	09/24/15 07:13	09/28/15 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*09/24/15 07:13*	*09/28/15 09:55*	*1*
2-Fluorobiphenyl	*91*		*25 - 119*	*09/24/15 07:13*	*09/28/15 09:55*	*1*
2-Fluorophenol	*92*		*25 - 110*	*09/24/15 07:13*	*09/28/15 09:55*	*1*
Nitrobenzene-d5	*80*		*25 - 115*	*09/24/15 07:13*	*09/28/15 09:55*	*1*
Phenol-d5	*94*		*31 - 110*	*09/24/15 07:13*	*09/28/15 09:55*	*1*
Terphenyl-d14	*90*		*36 - 134*	*09/24/15 07:13*	*09/28/15 09:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	10/01/15 14:17	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		09/29/15 13:15	10/01/15 14:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	10/01/15 14:17	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/29/15 13:15	10/01/15 14:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:17	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:17	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:17	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	10/01/15 14:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	10/01/15 14:17	1
Manganese	**0.28**		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:17	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	10/01/15 14:17	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:17	1
Zinc	**0.22**		0.10	0.020	mg/L		09/29/15 13:15	10/01/15 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.072**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 19:43	1
Barium	**0.97**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 19:43	1
Beryllium	**0.0082**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 19:43	1
Cadmium	**0.0029**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 19:43	1
Chromium	**0.19**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:43	1
Cobalt	**0.036**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:43	1
Copper	**0.26**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:43	1
Iron	**210**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 19:43	1
Lead	**0.17**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 19:43	1
Manganese	**0.87**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:43	1
Nickel	**0.21**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:43	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 19:43	1

Client Sample ID: CC-10(0-2)-092215
Date Collected: 09/22/15 11:47
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-15
Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:43	1
Zinc	**0.92**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 19:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Arsenic	**8.9**		0.61	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Barium	**93**		0.61	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Beryllium	**0.82**		0.24	0.053	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Cadmium	**0.14**		0.12	0.035	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Calcium	**4700**	**B**	12	3.9	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Chromium	**16**		0.61	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Cobalt	**15**		0.30	0.069	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Copper	**25**	**B**	0.61	0.13	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Iron	**23000**		12	4.7	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Lead	**33**		0.30	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Magnesium	**4100**	**B**	6.1	2.5	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Manganese	**540**	**B**	0.61	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Nickel	**28**		0.61	0.16	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Potassium	**950**		30	4.9	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Selenium	**0.52**	**J**	0.61	0.30	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Silver	<0.30		0.30	0.071	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Sodium	**1300**	**B**	61	8.0	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Vanadium	**21**		0.30	0.089	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1
Zinc	**62**		1.2	0.38	mg/Kg	☼	09/25/15 11:30	09/25/15 21:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 11:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**31**		21	7.2	ug/Kg	☼	09/24/15 15:30	09/25/15 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.82**		0.200	0.200	SU			09/28/15 15:06	1

Client Sample ID: CC-9(0-0.5)-092215
Date Collected: 09/22/15 11:55
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-16
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		09/23/15 17:33	1
Benzene	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:33	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		09/23/15 17:33	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 17:33	1
Bromomethane	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 17:33	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 17:33	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:33	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:33	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		09/23/15 17:33	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 17:33	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 17:33	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 17:33	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:33	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		09/23/15 17:33	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:33	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		09/23/15 17:33	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 17:33	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		09/23/15 17:33	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 17:33	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 17:33	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		09/23/15 17:33	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		09/23/15 17:33	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 17:33	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:33	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:33	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:33	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.96	ug/Kg	☼		09/23/15 17:33	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:33	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		09/23/15 17:33	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 17:33	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 17:33	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:33	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 17:33	1
Trichloroethene	<6.1		6.1	1.6	ug/Kg	☼		09/23/15 17:33	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:33	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/23/15 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*09/23/15 17:33*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*09/23/15 17:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*09/23/15 17:33*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*09/23/15 17:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1

Client Sample ID: CC-9(0-0.5)-092215
Date Collected: 09/22/15 11:55
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-16
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Acenaphthene	**24**	**J**	38	6.9	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Acenaphthylene	**8.9**	**J**	38	5.1	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Anthracene	**82**		38	6.4	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Benzo[a]anthracene	**680**		38	5.2	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Benzo[a]pyrene	**830**		38	7.5	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Benzo[b]fluoranthene	**1600**		38	8.3	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Benzo[g,h,i]perylene	**450**		38	12	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Benzo[k]fluoranthene	**550**		38	11	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Bis(2-ethylhexyl) phthalate	**220**		190	70	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Carbazole	<190		190	96	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Chrysene	**830**		38	11	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Dibenz(a,h)anthracene	**110**		38	7.5	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Fluoranthene	**1300**		38	7.2	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Fluorene	**24**	**J**	38	5.4	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Hexachloroethane	<190		190	59	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1

Client Sample ID: CC-9(0-0.5)-092215
Date Collected: 09/22/15 11:55
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-16
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**470**		38	10	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Isophorone	<190		190	43	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Phenanthrene	**590**		38	5.4	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Phenol	<190		190	86	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1
Pyrene	**2500**		38	7.7	ug/Kg	☼	09/24/15 07:13	09/29/15 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 137*	*09/24/15 07:13*	*09/29/15 17:35*	*1*
2-Fluorobiphenyl	*95*		*25 - 119*	*09/24/15 07:13*	*09/29/15 17:35*	*1*
2-Fluorophenol	*90*		*25 - 110*	*09/24/15 07:13*	*09/29/15 17:35*	*1*
Nitrobenzene-d5	*82*		*25 - 115*	*09/24/15 07:13*	*09/29/15 17:35*	*1*
Phenol-d5	*95*		*31 - 110*	*09/24/15 07:13*	*09/29/15 17:35*	*1*
Terphenyl-d14	*209*	*X*	*36 - 134*	*09/24/15 07:13*	*09/29/15 17:35*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	10/01/15 14:23	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		09/29/15 13:15	10/01/15 14:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	10/01/15 14:23	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		09/29/15 13:15	10/01/15 14:23	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:23	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:23	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:23	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	10/01/15 14:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	10/01/15 14:23	1
Manganese	**0.20**		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:23	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:23	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	10/01/15 14:23	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:23	1
Zinc	**0.047**	**J**	0.10	0.020	mg/L		09/29/15 13:15	10/01/15 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.030**	**J**	0.050	0.010	mg/L		09/25/15 11:00	09/25/15 19:49	1
Barium	**0.63**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 19:49	1
Beryllium	**0.0049**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 19:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 19:49	1
Chromium	**0.14**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:49	1
Cobalt	**0.028**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:49	1
Copper	**0.12**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:49	1
Iron	**120**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 19:49	1
Lead	**0.14**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 19:49	1
Manganese	**0.86**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:49	1
Nickel	**0.093**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:49	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 19:49	1

Client Sample ID: CC-9(0-0.5)-092215
Date Collected: 09/22/15 11:55
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-16
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:49	1
Zinc	**0.55**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 19:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.32**	**J**	1.1	0.23	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Arsenic	**4.4**		0.56	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Barium	**98**		0.56	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Beryllium	**0.66**		0.22	0.049	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Cadmium	**0.43**		0.11	0.032	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Calcium	**28000**	**B**	11	3.6	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Chromium	**18**		0.56	0.096	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Cobalt	**8.2**		0.28	0.063	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Copper	**22**	**B**	0.56	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Iron	**14000**		11	4.3	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Lead	**31**		0.28	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Magnesium	**16000**	**B**	5.6	2.3	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Manganese	**480**	**B**	0.56	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Nickel	**18**		0.56	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Potassium	**840**		28	4.6	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Selenium	**0.33**	**J**	0.56	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Sodium	**1200**	**B**	56	7.4	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Vanadium	**18**		0.28	0.082	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1
Zinc	**78**		1.1	0.35	mg/Kg	☼	09/25/15 11:30	09/25/15 21:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 11:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		18	6.3	ug/Kg	☼	09/24/15 15:30	09/25/15 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.84**		0.200	0.200	SU			09/28/15 15:08	1

Client Sample ID: CC-8(0-2)-092215
Date Collected: 09/22/15 12:07
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-17
Matrix: Solid
Percent Solids: 81.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		09/23/15 17:57	1
Benzene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:57	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		09/23/15 17:57	1
Bromoform	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:57	1
Bromomethane	<6.1		6.1	2.3	ug/Kg	☼		09/23/15 17:57	1
Carbon disulfide	<6.1		6.1	2.3	ug/Kg	☼		09/23/15 17:57	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:57	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:57	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		09/23/15 17:57	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 17:57	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 17:57	1
cis-1,2-Dichloroethene	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:57	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:57	1
Dibromochloromethane	<6.1		6.1	0.71	ug/Kg	☼		09/23/15 17:57	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:57	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		09/23/15 17:57	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 17:57	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		09/23/15 17:57	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 17:57	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 17:57	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		09/23/15 17:57	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		09/23/15 17:57	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 17:57	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:57	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:57	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:57	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.98	ug/Kg	☼		09/23/15 17:57	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 17:57	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		09/23/15 17:57	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 17:57	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 17:57	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 17:57	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 17:57	1
Trichloroethene	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 17:57	1
Vinyl chloride	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 17:57	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		09/23/15 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*09/23/15 17:57*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*09/23/15 17:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*09/23/15 17:57*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*09/23/15 17:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1

Client Sample ID: CC-8(0-2)-092215
Date Collected: 09/22/15 12:07
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-17
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Anthracene	**9.4**	**J**	39	6.6	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Benzo[a]anthracene	**69**		39	5.3	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Benzo[a]pyrene	**89**		39	7.6	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Benzo[b]fluoranthene	**160**		39	8.5	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Benzo[g,h,i]perylene	**55**		39	13	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Benzo[k]fluoranthene	**50**		39	12	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Carbazole	<200		200	98	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Chrysene	**88**		39	11	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Dibenz(a,h)anthracene	**13**	**J**	39	7.6	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Fluoranthene	**150**		39	7.3	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Fluorene	<39		39	5.5	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1

Client Sample ID: CC-8(0-2)-092215
Date Collected: 09/22/15 12:07
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-17
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**52**		39	10	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Isophorone	<200		200	44	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Phenanthrene	**56**		39	5.5	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Phenol	<200		200	87	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1
Pyrene	**120**		39	7.8	ug/Kg	☼	09/24/15 07:13	09/28/15 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*35 - 137*	*09/24/15 07:13*	*09/28/15 10:21*	*1*
2-Fluorobiphenyl	*98*		*25 - 119*	*09/24/15 07:13*	*09/28/15 10:21*	*1*
2-Fluorophenol	*98*		*25 - 110*	*09/24/15 07:13*	*09/28/15 10:21*	*1*
Nitrobenzene-d5	*90*		*25 - 115*	*09/24/15 07:13*	*09/28/15 10:21*	*1*
Phenol-d5	*100*		*31 - 110*	*09/24/15 07:13*	*09/28/15 10:21*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/24/15 07:13*	*09/28/15 10:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	10/01/15 14:28	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		09/29/15 13:15	10/01/15 14:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	10/01/15 14:28	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		09/29/15 13:15	10/01/15 14:28	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:28	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:28	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:28	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	10/01/15 14:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	10/01/15 14:28	1
Manganese	**0.36**		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:28	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:28	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	10/01/15 14:28	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:28	1
Zinc	**0.16**		0.10	0.020	mg/L		09/29/15 13:15	10/01/15 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.058**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 19:56	1
Barium	**0.90**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 19:56	1
Beryllium	**0.0075**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 19:56	1
Cadmium	**0.0035**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 19:56	1
Chromium	**0.20**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:56	1
Cobalt	**0.037**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:56	1
Copper	**0.20**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:56	1
Iron	**190**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 19:56	1
Lead	**0.35**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 19:56	1
Manganese	**1.1**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:56	1
Nickel	**0.16**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:56	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 19:56	1

Client Sample ID: CC-8(0-2)-092215
Date Collected: 09/22/15 12:07
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-17
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:56	1
Zinc	**0.82**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 19:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.28**	**J**	1.1	0.24	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Arsenic	**6.2**		0.57	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Barium	**88**		0.57	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Beryllium	**0.62**		0.23	0.050	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Cadmium	**0.29**		0.11	0.033	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Calcium	**33000**	**B**	11	3.7	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Chromium	**12**		0.57	0.098	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Cobalt	**7.7**		0.29	0.065	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Copper	**18**	**B**	0.57	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Iron	**15000**		11	4.4	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Lead	**58**		0.29	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Magnesium	**20000**	**B**	5.7	2.3	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Manganese	**410**	**B**	0.57	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Nickel	**17**		0.57	0.16	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Potassium	**980**		29	4.7	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Selenium	**0.30**	**J**	0.57	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Sodium	**1700**	**B**	57	7.6	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Vanadium	**17**		0.29	0.084	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1
Zinc	**76**		1.1	0.36	mg/Kg	☼	09/25/15 11:30	09/25/15 21:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 11:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**51**		19	6.5	ug/Kg	☼	09/24/15 15:30	09/25/15 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.39**		0.200	0.200	SU			09/28/15 15:10	1

Client Sample ID: CC-6(0-1)-092215
Date Collected: 09/22/15 12:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-19
Matrix: Solid
Percent Solids: 78.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<26		26	4.9	ug/Kg	☼		09/23/15 18:44	1
Benzene	<6.4		6.4	1.4	ug/Kg	☼		09/23/15 18:44	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	☼		09/23/15 18:44	1
Bromoform	<6.4		6.4	1.3	ug/Kg	☼		09/23/15 18:44	1
Bromomethane	<6.4		6.4	2.4	ug/Kg	☼		09/23/15 18:44	1
Carbon disulfide	<6.4		6.4	2.4	ug/Kg	☼		09/23/15 18:44	1
Carbon tetrachloride	<6.4		6.4	1.4	ug/Kg	☼		09/23/15 18:44	1
Chlorobenzene	<6.4		6.4	1.5	ug/Kg	☼		09/23/15 18:44	1
Chloroethane	<6.4		6.4	2.7	ug/Kg	☼		09/23/15 18:44	1
Chloroform	<6.4		6.4	1.2	ug/Kg	☼		09/23/15 18:44	1
Chloromethane	<6.4		6.4	1.5	ug/Kg	☼		09/23/15 18:44	1
cis-1,2-Dichloroethene	<6.4		6.4	1.3	ug/Kg	☼		09/23/15 18:44	1
cis-1,3-Dichloropropene	<6.4		6.4	1.5	ug/Kg	☼		09/23/15 18:44	1
Dibromochloromethane	<6.4		6.4	0.74	ug/Kg	☼		09/23/15 18:44	1
1,1-Dichloroethane	<6.4		6.4	1.3	ug/Kg	☼		09/23/15 18:44	1
1,2-Dichloroethane	<6.4		6.4	0.95	ug/Kg	☼		09/23/15 18:44	1
1,1-Dichloroethene	<6.4		6.4	2.3	ug/Kg	☼		09/23/15 18:44	1
1,2-Dichloropropane	<6.4		6.4	1.7	ug/Kg	☼		09/23/15 18:44	1
1,3-Dichloropropene, Total	<6.4		6.4	1.8	ug/Kg	☼		09/23/15 18:44	1
Ethylbenzene	<6.4		6.4	1.6	ug/Kg	☼		09/23/15 18:44	1
2-Hexanone	<6.4		6.4	2.0	ug/Kg	☼		09/23/15 18:44	1
Methylene Chloride	<6.4		6.4	4.8	ug/Kg	☼		09/23/15 18:44	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	☼		09/23/15 18:44	1
methyl isobutyl ketone	<6.4		6.4	1.3	ug/Kg	☼		09/23/15 18:44	1
Methyl tert-butyl ether	<6.4		6.4	1.5	ug/Kg	☼		09/23/15 18:44	1
Styrene	<6.4		6.4	1.5	ug/Kg	☼		09/23/15 18:44	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.0	ug/Kg	☼		09/23/15 18:44	1
Tetrachloroethene	<6.4		6.4	1.3	ug/Kg	☼		09/23/15 18:44	1
Toluene	<6.4		6.4	2.2	ug/Kg	☼		09/23/15 18:44	1
trans-1,2-Dichloroethene	<6.4		6.4	1.6	ug/Kg	☼		09/23/15 18:44	1
trans-1,3-Dichloropropene	<6.4		6.4	1.8	ug/Kg	☼		09/23/15 18:44	1
1,1,1-Trichloroethane	<6.4		6.4	1.5	ug/Kg	☼		09/23/15 18:44	1
1,1,2-Trichloroethane	<6.4		6.4	1.2	ug/Kg	☼		09/23/15 18:44	1
Trichloroethene	<6.4		6.4	1.7	ug/Kg	☼		09/23/15 18:44	1
Vinyl chloride	<6.4		6.4	1.5	ug/Kg	☼		09/23/15 18:44	1
Xylenes, Total	<13		13	2.4	ug/Kg	☼		09/23/15 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*09/23/15 18:44*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*09/23/15 18:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*		*09/23/15 18:44*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*09/23/15 18:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	46	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1

Client Sample ID: CC-6(0-1)-092215
Date Collected: 09/22/15 12:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-19
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	97	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2,4-Dinitrophenol	<860		860	750	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2-Methylnaphthalene	<42		42	7.8	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2-Methylphenol	<210		210	68	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
4,6-Dinitro-2-methylphenol	<860		860	340	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
4-Chloroaniline	<860		860	200	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
4-Chlorophenyl phenyl ether	<210		210	50	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
4-Nitrophenol	<860		860	400	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Acenaphthene	**17**	**J**	42	7.6	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Acenaphthylene	<42		42	5.6	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Anthracene	**53**		42	7.1	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Benzo[a]anthracene	**340**		42	5.7	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Benzo[a]pyrene	**380**		42	8.2	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Benzo[b]fluoranthene	**760**		42	9.2	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Benzo[g,h,i]perylene	**160**		42	14	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Benzo[k]fluoranthene	**210**		42	13	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Bis(2-chloroethyl)ether	<210		210	64	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Bis(2-ethylhexyl) phthalate	<210		210	78	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Carbazole	<210		210	110	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Chrysene	**430**		42	12	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Dibenz(a,h)anthracene	**45**		42	8.2	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Dibenzofuran	<210		210	50	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Di-n-butyl phthalate	<210		210	65	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Fluoranthene	**920**		42	7.9	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Fluorene	**18**	**J**	42	6.0	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Hexachlorobenzene	<86		86	9.8	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Hexachlorobutadiene	<210		210	67	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Hexachlorocyclopentadiene	<860		860	240	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Hexachloroethane	<210		210	65	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1

Client Sample ID: CC-6(0-1)-092215
Date Collected: 09/22/15 12:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-19
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**180**		42	11	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Isophorone	<210		210	48	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Naphthalene	<42		42	6.5	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Nitrobenzene	<42		42	11	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
N-Nitrosodi-n-propylamine	<210		210	52	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Pentachlorophenol	<860		860	680	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Phenanthrene	**380**		42	5.9	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Phenol	<210		210	94	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1
Pyrene	**750**		42	8.4	ug/Kg	☼	09/24/15 07:13	09/29/15 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*35 - 137*	*09/24/15 07:13*	*09/29/15 14:11*	*1*
2-Fluorobiphenyl	*80*		*25 - 119*	*09/24/15 07:13*	*09/29/15 14:11*	*1*
2-Fluorophenol	*80*		*25 - 110*	*09/24/15 07:13*	*09/29/15 14:11*	*1*
Nitrobenzene-d5	*75*		*25 - 115*	*09/24/15 07:13*	*09/29/15 14:11*	*1*
Phenol-d5	*86*		*31 - 110*	*09/24/15 07:13*	*09/29/15 14:11*	*1*
Terphenyl-d14	*91*		*36 - 134*	*09/24/15 07:13*	*09/29/15 14:11*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	10/01/15 14:38	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		09/29/15 13:15	10/01/15 14:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	10/01/15 14:38	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		09/29/15 13:15	10/01/15 14:38	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:38	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:38	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:38	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	10/01/15 14:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	10/01/15 14:38	1
Manganese	**0.31**		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:38	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:38	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	10/01/15 14:38	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:38	1
Zinc	**0.040**	**J**	0.10	0.020	mg/L		09/29/15 13:15	10/01/15 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.062**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 20:25	1
Barium	**0.85**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 20:25	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 20:25	1
Cadmium	**0.0030**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 20:25	1
Chromium	**0.18**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:25	1
Cobalt	**0.041**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:25	1
Copper	**0.18**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:25	1
Iron	**180**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 20:25	1
Lead	**0.17**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 20:25	1
Manganese	**1.1**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:25	1
Nickel	**0.15**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:25	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 20:25	1

Client Sample ID: CC-6(0-1)-092215
Date Collected: 09/22/15 12:36
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-19
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:25	1
Zinc	**0.79**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 20:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Arsenic	**7.8**		0.60	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Barium	**100**		0.60	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Beryllium	**0.72**		0.24	0.052	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Cadmium	**0.41**		0.12	0.035	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Calcium	**7900**	**B**	12	3.9	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Chromium	**15**		0.60	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Cobalt	**7.8**		0.30	0.068	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Copper	**24**	**B**	0.60	0.13	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Iron	**17000**		12	4.7	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Lead	**38**		0.30	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Magnesium	**4500**	**B**	6.0	2.4	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Manganese	**380**	**B**	0.60	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Nickel	**21**		0.60	0.16	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Potassium	**1500**		30	4.9	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Selenium	**0.79**		0.60	0.30	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Silver	<0.30		0.30	0.071	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Sodium	**2400**	**B**	60	8.0	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Vanadium	**17**		0.30	0.088	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1
Zinc	**97**		1.2	0.38	mg/Kg	☼	09/25/15 11:30	09/25/15 21:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 11:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**54**		19	6.6	ug/Kg	☼	09/24/15 15:30	09/25/15 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.82**		0.200	0.200	SU			09/28/15 15:15	1

Client Sample ID: CC-5(0-2)-092215
Date Collected: 09/22/15 12:45
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-20
Matrix: Solid
Percent Solids: 81.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		09/23/15 19:08	1
Benzene	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 19:08	1
Bromodichloromethane	<6.1	F1	6.1	1.0	ug/Kg	☼		09/23/15 19:08	1
Bromoform	<6.1	F1	6.1	1.2	ug/Kg	☼		09/23/15 19:08	1
Bromomethane	<6.1	F1	6.1	2.2	ug/Kg	☼		09/23/15 19:08	1
Carbon disulfide	<6.1	F1	6.1	2.2	ug/Kg	☼		09/23/15 19:08	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 19:08	1
Chlorobenzene	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 19:08	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		09/23/15 19:08	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 19:08	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 19:08	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		09/23/15 19:08	1
cis-1,3-Dichloropropene	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 19:08	1
Dibromochloromethane	<6.1	F1	6.1	0.70	ug/Kg	☼		09/23/15 19:08	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 19:08	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		09/23/15 19:08	1
1,1-Dichloroethene	<6.1	F1	6.1	2.2	ug/Kg	☼		09/23/15 19:08	1
1,2-Dichloropropane	<6.1	F1	6.1	1.6	ug/Kg	☼		09/23/15 19:08	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		09/23/15 19:08	1
Ethylbenzene	<6.1	F1	6.1	1.5	ug/Kg	☼		09/23/15 19:08	1
2-Hexanone	<6.1	F1	6.1	1.9	ug/Kg	☼		09/23/15 19:08	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		09/23/15 19:08	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		09/23/15 19:08	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		09/23/15 19:08	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		09/23/15 19:08	1
Styrene	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 19:08	1
1,1,2,2-Tetrachloroethane	<6.1	F1	6.1	0.97	ug/Kg	☼		09/23/15 19:08	1
Tetrachloroethene	<6.1	F1	6.1	1.3	ug/Kg	☼		09/23/15 19:08	1
Toluene	<6.1	F1	6.1	2.1	ug/Kg	☼		09/23/15 19:08	1
trans-1,2-Dichloroethene	<6.1	F1	6.1	1.5	ug/Kg	☼		09/23/15 19:08	1
trans-1,3-Dichloropropene	<6.1	F1	6.1	1.7	ug/Kg	☼		09/23/15 19:08	1
1,1,1-Trichloroethane	<6.1	F1	6.1	1.4	ug/Kg	☼		09/23/15 19:08	1
1,1,2-Trichloroethane	<6.1	F1	6.1	1.2	ug/Kg	☼		09/23/15 19:08	1
Trichloroethene	<6.1	F1	6.1	1.6	ug/Kg	☼		09/23/15 19:08	1
Vinyl chloride	<6.1		6.1	1.5	ug/Kg	☼		09/23/15 19:08	1
Xylenes, Total	<12	F1	12	2.3	ug/Kg	☼		09/23/15 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*09/23/15 19:08*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*09/23/15 19:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*09/23/15 19:08*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*09/23/15 19:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1

Client Sample ID: CC-5(0-2)-092215
Date Collected: 09/22/15 12:45
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-20
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Anthracene	**37**	**J**	38	6.4	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Benzo[a]anthracene	**220**		38	5.2	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Benzo[a]pyrene	**250**		38	7.4	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Benzo[b]fluoranthene	**400**		38	8.3	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Benzo[g,h,i]perylene	**130**		38	12	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Benzo[k]fluoranthene	**130**		38	11	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Carbazole	<190		190	96	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Chrysene	**270**		38	10	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Dibenz(a,h)anthracene	**32**	**J**	38	7.4	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Di-n-butyl phthalate	**60**	**J**	190	58	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Fluoranthene	**570**		38	7.1	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Fluorene	**9.6**	**J**	38	5.4	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1

Client Sample ID: CC-5(0-2)-092215
Date Collected: 09/22/15 12:45
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-20
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**150**		38	9.9	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Isophorone	<190		190	43	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Phenanthrene	**230**		38	5.3	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Phenol	<190		190	85	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1
Pyrene	**470**		38	7.6	ug/Kg	☼	09/24/15 07:13	09/28/15 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*09/24/15 07:13*	*09/28/15 10:46*	*1*
2-Fluorobiphenyl	*89*		*25 - 119*	*09/24/15 07:13*	*09/28/15 10:46*	*1*
2-Fluorophenol	*93*		*25 - 110*	*09/24/15 07:13*	*09/28/15 10:46*	*1*
Nitrobenzene-d5	*80*		*25 - 115*	*09/24/15 07:13*	*09/28/15 10:46*	*1*
Phenol-d5	*91*		*31 - 110*	*09/24/15 07:13*	*09/28/15 10:46*	*1*
Terphenyl-d14	*90*		*36 - 134*	*09/24/15 07:13*	*09/28/15 10:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	10/01/15 14:51	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		09/29/15 13:15	10/01/15 14:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	10/01/15 14:51	1
Cadmium	**0.0029**	**J**	0.0050	0.0020	mg/L		09/29/15 13:15	10/01/15 14:51	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:51	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:51	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:51	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	10/01/15 14:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	10/01/15 14:51	1
Manganese	**0.25**		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:51	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:51	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	10/01/15 14:51	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:51	1
Zinc	**0.079**	**J**	0.10	0.020	mg/L		09/29/15 13:15	10/01/15 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.11**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 20:32	1
Barium	**0.86**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 20:32	1
Beryllium	**0.0097**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 20:32	1
Cadmium	**0.0045**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 20:32	1
Chromium	**0.23**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:32	1
Cobalt	**0.059**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:32	1
Copper	**0.38**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:32	1
Iron	**270**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 20:32	1
Lead	**0.29**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 20:32	1
Manganese	**1.0**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:32	1
Nickel	**0.28**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:32	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 20:32	1

Client Sample ID: CC-5(0-2)-092215
Date Collected: 09/22/15 12:45
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-20
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 20:32	1
Zinc	**0.88**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 20:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J**	1.2	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Arsenic	**12**		0.60	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Barium	**55**		0.60	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Beryllium	**0.68**		0.24	0.052	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Cadmium	**0.27**		0.12	0.035	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Calcium	**23000**	**B**	12	3.9	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Chromium	**16**		0.60	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Cobalt	**14**		0.30	0.068	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Copper	**35**	**B**	0.60	0.13	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Iron	**26000**		12	4.6	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Lead	**52**		0.30	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Magnesium	**15000**	**B**	6.0	2.4	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Manganese	**350**	**B**	0.60	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Nickel	**35**		0.60	0.16	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Potassium	**1200**		30	4.9	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Sodium	**1100**	**B**	60	7.9	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Vanadium	**17**		0.30	0.087	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1
Zinc	**82**		1.2	0.38	mg/Kg	☼	09/25/15 11:30	09/25/15 21:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 11:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**65**		19	6.5	ug/Kg	☼	09/24/15 15:30	09/25/15 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.56**		0.200	0.200	SU			09/28/15 15:17	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

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

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

Lab Job #: 500-101547
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.4

Client: Weston Solutions
Client Project #: 02056.014.029.0030
Project Name: IDOT029-IL38
Project Location/State: OakBrookTerrace/VillaPark, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

Preservative Key: ...to 4° / ...l to 4° / to 4° / to 4° / ...ol to 4°

500-101547 COC

	Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (Pres. 7)	SVOCs (Pres. 7)	TOTAL Metals (Pres. 7)	TCLP/SPLP Metals (Pres. 7)	pH (Pres. 7)					Comments
1	1		CS-1(0-2)-092215	9-22-15	0805	2	S	X	X	X	X	X					
2	2		CS-2(0-2)-092215	↓	0815	↓	↓	↓	↓	↓	↓	↓					
3	3		CS-3(0-2)-092215		0826												
4	4		CS-4(0-2)-092215		0836												
5	5		CS-5(0-2)-092215		0848												
6	6		RF-1(0-1)-092215		0856												
7	7		CHG-1(0-1)-092215		0905												
8	8		CHG-2(0-1)-092215		0915												
9	9		CHG-3(0-1)-092215	↓	0928	↓	↓	↓	↓	↓	↓	↓					
10	20		CHG-4(0-1)-092215	9-22-15	0940	2	S	X	X	X	X	X					

AS 9/22/15

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600	[signature]	TA	9/22/15	1600
[signature]	TA	9/22/15	1707	[signature]	TA CHI	09/22/15	17:07

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1208)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #:

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.4

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramanian	Contact:	SAME
Company:	Weston Solutions Inc	Company:	
Address:	300 Plaza Circle, Ste 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative	7	7	7	7	7					Preservative Key
Weston Solutions	02056.014.0											1. HCL, Cool to 4°
Project Name		Parameter										2. H2SO4, Cool to 4°
IDOT 029 - IL 38 (Roosevelt Rd)												3. HNO3, Cool to 4°
Project Location/State	Lab Project #											4. NaOH, Cool to 4°
Oak Brook Terrace/Villa Park, IL			VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					5. NaOH/Zn, Cool to 4°
Sampler	Lab PM											6. NaHSO4
M. Doheny-Stabic/A. Turkasz	D. Wright											7. Cool to 4°
												8. None
												9. Other

9/22/15 AS	Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix									Comments
	11		CHG-4(0-1)-092215D	9-22-15	0940	2	S	X	X	X	X	X				
	12		CHG-5(0-1)-092215		0951											
	13		CHG-6(0-1)-092215		1000											
	14		CC-11(0-2)-092215		1135											
	15		CC-10(0-2)-092215		1147											
	16		CC-9(0-0.5)-092215		1155											
	17		CC-8(0-2)-092215		1207											
	18		CC-7(0-1)-092215		1218											
	19		CC-6(0-1)-092215		1236											
	20		CC-5(0-2)-092215	9-22-15	1245	2	S	X	X	X	X	X				

Turnaround Time Required (Business Days)

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

Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600		TA	9/22/15	1600
	TA	9/22/15	1707		TA-CHI	09/22/15	17:07

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd) Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
17W201 Roosevelt Road (ISGS Site No. 2482V-47)

City: Oakbrook Terrace State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.860663272 (Decimal Degrees) Longitude: -87.965766655 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAP 335: IL Rte 38 (Roosevelt Rd)

Latitude: 41.860663272 Longitude: -87.965766655

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS CHG-4 THROUGH CHG-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 2482V-47. SEE FIGURE 3-6, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-101547-1.
ALSO SEE FIGURE 4-6 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

9 November 2015
Date:

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

Summary Table of ISGS Site No. 2482V-47
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Field Sample ID	CHG-4(0-1)-092215	CHG-4(0-1)-092215D	CHG-5(0-1)-092215	CHG-6(0-1)-092215	Soil Reference Concentrations[A]
Sample Date	9/22/2015	9/22/2015	9/22/2015	9/22/2015	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2482V-47	2482V-47	2482V-47	2482V-47	
Parameter					
Laboratory pH	8.37	8.67	8.82	8.22	<6.25, >9.0
VOCs	**None Detected**				
SVOCs (ug/kg)					
Acenaphthene	15 J	17 J	16 J	35 J	570000
Anthracene	50	65	60	110	1.20E+07
Benzo(a)anthracene	240 J	420 J	260	520	900 / 1100 / 1800
Benzo(a)pyrene	260 J	480 J	280	560	90 / 1300 / 2100
Benzo(b)fluoranthene	450 J	870 J	470	930	900 / 1500 / 2100
Benzo(g,h,i)perylene	110 J	200 J	150	250	---
Benzo(k)fluoranthene	130 J	340 J	160	370	9000
Chrysene	280 J	510 J	280	620	88000
Dibenzo(a,h)anthracene	29 J	53	34 J	67	90 / 200 / 420
Fluoranthene	550 J	1100 J	510	1400	3100000
Fluorene	14 J	18 J	17 J	46	560000
Indeno(1,2,3-cd)pyrene	120 J	220 J	150	280	900 / 900 / 1600
Phenanthrene	280	450	290	740	---
Pyrene	480 J	920 J	780	1100	2300000
Total Metals (mg/kg)					
Antimony, Total	0.32 J	0.27 J	0.27 J	ND	5
Arsenic, Total	6.4	5.9	3.8	4.3	11.3 / 13.0
Barium, Total	57	56	52	83	1500
Beryllium, Total	0.55	0.52	0.5	0.74	22
Cadmium, Total	0.32	0.29	0.31	0.64	5.2
Calcium, Total	67000 J	57000 J	63000 J	7000 J	---
Chromium, Total	12	13	9.6	24	21
Cobalt, Total	7.9	7.7	5.8	8.2	20
Copper, Total	23 B	24 B	18 B	36 B	2900
Iron, Total	15000 J	15000 J	11000 J	18000 J	15000 / 15900
Lead, Total	40 J	37 J	48 J	100 J	107
Magnesium, Total	31000 J	29000 J	48000 J	4900 J	325000
Manganese, Total	380 J	380 J	320 J	280 J	630 / 636
Mercury, Total	0.019	0.018	0.031	0.039	0.89
Nickel, Total	19	17	14	28	100
Potassium, Total	830 J+	740 J+	790 J+	1500 J+	---
Selenium, Total	0.35 J	ND	0.32 J	0.6 J	1.3
Sodium, Total	1300 B	1300 B	1400 B	2400 B	---
Vanadium, Total	14	15	11	17	550
Zinc, Total	85	71	63	120	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.41 J	0.41 J	0.43 J	0.35 J	2
Cadmium, TCLP	ND	0.0024 J	0.0024 J	0.0028 J	0.005
Copper, TCLP	ND	ND	0.017 J	0.014 J	0.65
Lead, TCLP	ND	ND	ND	0.0076	0.0075
Manganese, TCLP	0.3	0.29	0.35	0.36	0.15
Zinc, TCLP	0.024 J	1.1 J	0.23	0.12	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.062	0.058	0.058	0.057	0.05
Barium, SPLP	0.71	0.76	1.1	1.1	2
Beryllium, SPLP	0.0067	0.0069	0.0092	0.0099	0.004
Cadmium, SPLP	0.0026 J	0.0035 J	0.0043 J	0.0062	0.005
Chromium, SPLP	0.17	0.18	0.26	0.27	0.1
Cobalt, SPLP	0.041	0.041	0.048	0.054	1
Copper, SPLP	0.19	0.21	0.25	0.38	0.65
Iron, SPLP	170	170	240	230	5
Lead, SPLP	0.28	0.26	0.32	0.43	0.0075
Manganese, SPLP	1.1	1.2	1.1	0.96	0.15
Mercury, SPLP	ND	ND	ND	0.00026	0.002
Nickel, SPLP	0.14	0.14	0.17	0.2	0.1
Zinc, SPLP	0.7 J	1.2 J	1.1	3.2	5

Summary Table of ISGS Site No. 2482V-47
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 335: IL Route 38 (Roosevelt Road) from Summit Avenue to IL Route 83
Oak Brook Terrace and Villa Park, DuPage County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration; biased high.

J- - Estimated concentration; biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-101547-1
Client Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/1/2015 4:48:07 PM

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

Client Sample ID: CHG-4(0-1)-092215
Date Collected: 09/22/15 09:40
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-10
Matrix: Solid
Percent Solids: 85.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		09/23/15 15:10	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 15:10	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		09/23/15 15:10	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:10	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 15:10	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 15:10	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 15:10	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:10	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		09/23/15 15:10	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		09/23/15 15:10	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:10	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:10	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 15:10	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		09/23/15 15:10	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:10	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		09/23/15 15:10	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		09/23/15 15:10	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 15:10	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		09/23/15 15:10	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 15:10	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		09/23/15 15:10	1
Methylene Chloride	<5.9		5.9	4.4	ug/Kg	☼		09/23/15 15:10	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		09/23/15 15:10	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:10	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:10	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:10	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.93	ug/Kg	☼		09/23/15 15:10	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:10	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		09/23/15 15:10	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 15:10	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		09/23/15 15:10	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:10	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		09/23/15 15:10	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		09/23/15 15:10	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:10	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/23/15 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*09/23/15 15:10*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*09/23/15 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*09/23/15 15:10*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*09/23/15 15:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1

Client Sample ID: CHG-4(0-1)-092215
Date Collected: 09/22/15 09:40
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-10
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Acenaphthene	**15**	**J**	37	6.7	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Anthracene	**50**		37	6.2	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Benzo[a]anthracene	**240**		37	5.0	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Benzo[a]pyrene	**260**		37	7.2	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Benzo[b]fluoranthene	**450**		37	8.1	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Benzo[g,h,i]perylene	**110**		37	12	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Benzo[k]fluoranthene	**130**		37	11	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Carbazole	<190		190	93	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Chrysene	**280**		37	10	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Dibenz(a,h)anthracene	**29**	**J**	37	7.2	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Fluoranthene	**550**		37	6.9	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Fluorene	**14**	**J**	37	5.2	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1

Client Sample ID: CHG-4(0-1)-092215
Date Collected: 09/22/15 09:40
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-10
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**120**		37	9.7	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Isophorone	<190		190	42	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Phenanthrene	**280**		37	5.2	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Phenol	<190		190	83	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1
Pyrene	**480**		37	7.4	ug/Kg	☼	09/24/15 07:13	09/29/15 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*35 - 137*	*09/24/15 07:13*	*09/29/15 14:37*	*1*
2-Fluorobiphenyl	*101*		*25 - 119*	*09/24/15 07:13*	*09/29/15 14:37*	*1*
2-Fluorophenol	*105*		*25 - 110*	*09/24/15 07:13*	*09/29/15 14:37*	*1*
Nitrobenzene-d5	*92*		*25 - 115*	*09/24/15 07:13*	*09/29/15 14:37*	*1*
Phenol-d5	*109*		*31 - 110*	*09/24/15 07:13*	*09/29/15 14:37*	*1*
Terphenyl-d14	*104*		*36 - 134*	*09/24/15 07:13*	*09/29/15 14:37*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	09/30/15 17:30	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		09/29/15 13:15	09/30/15 17:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	09/30/15 17:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/15 13:15	09/30/15 17:30	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 17:30	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 17:30	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 17:30	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	09/30/15 17:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	09/30/15 17:30	1
Manganese	**0.30**		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 17:30	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 17:30	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	09/30/15 17:30	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	09/30/15 17:30	1
Zinc	**0.024**	**J**	0.10	0.020	mg/L		09/29/15 13:15	09/30/15 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.062**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 19:09	1
Barium	**0.71**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 19:09	1
Beryllium	**0.0067**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 19:09	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 19:09	1
Chromium	**0.17**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:09	1
Cobalt	**0.041**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:09	1
Copper	**0.19**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:09	1
Iron	**170**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 19:09	1
Lead	**0.28**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 19:09	1
Manganese	**1.1**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:09	1
Nickel	**0.14**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:09	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 19:09	1

Client Sample ID: CHG-4(0-1)-092215
Date Collected: 09/22/15 09:40
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-10
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:09	1
Zinc	**0.70**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 19:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.32**	**J**	1.1	0.23	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Arsenic	**6.4**		0.56	0.26	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Barium	**57**		0.56	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Beryllium	**0.55**		0.22	0.048	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Cadmium	**0.32**		0.11	0.032	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Calcium	**67000**	**B**	110	36	mg/Kg	☼	09/25/15 11:30	09/27/15 14:58	10
Chromium	**12**		0.56	0.096	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Cobalt	**7.9**		0.28	0.063	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Copper	**23**	**B**	0.56	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Iron	**15000**		11	4.3	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Lead	**40**		0.28	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Magnesium	**31000**	**B**	5.6	2.3	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Manganese	**380**	**B**	0.56	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Nickel	**19**		0.56	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Potassium	**830**		28	4.5	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Selenium	**0.35**	**J**	0.56	0.28	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Sodium	**1300**	**B**	56	7.3	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Vanadium	**14**		0.28	0.081	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1
Zinc	**85**		1.1	0.35	mg/Kg	☼	09/25/15 11:30	09/25/15 20:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 10:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		18	6.3	ug/Kg	☼	09/24/15 15:30	09/25/15 14:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.37**		0.200	0.200	SU			09/28/15 14:56	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Client Sample ID: CHG-4(0-1)-092215D
Date Collected: 09/22/15 09:40
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-11
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		09/23/15 15:34	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 15:34	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		09/23/15 15:34	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:34	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 15:34	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 15:34	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		09/23/15 15:34	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:34	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		09/23/15 15:34	1
Chloroform	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:34	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:34	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:34	1
cis-1,3-Dichloropropene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:34	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		09/23/15 15:34	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:34	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		09/23/15 15:34	1
1,1-Dichloroethene	<5.9		5.9	2.2	ug/Kg	☼		09/23/15 15:34	1
1,2-Dichloropropane	<5.9		5.9	1.6	ug/Kg	☼		09/23/15 15:34	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		09/23/15 15:34	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 15:34	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		09/23/15 15:34	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		09/23/15 15:34	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		09/23/15 15:34	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:34	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:34	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:34	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		09/23/15 15:34	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:34	1
Toluene	<5.9		5.9	2.1	ug/Kg	☼		09/23/15 15:34	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		09/23/15 15:34	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		09/23/15 15:34	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:34	1
1,1,2-Trichloroethane	<5.9		5.9	1.2	ug/Kg	☼		09/23/15 15:34	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		09/23/15 15:34	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		09/23/15 15:34	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		09/23/15 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*09/23/15 15:34*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*09/23/15 15:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*09/23/15 15:34*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*09/23/15 15:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1

Client Sample ID: CHG-4(0-1)-092215D
Date Collected: 09/22/15 09:40
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-11
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
4-Chloroaniline	<790		790	190	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Acenaphthene	**17**	**J**	39	7.1	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Anthracene	**65**		39	6.6	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Benzo[a]anthracene	**420**		39	5.3	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Benzo[a]pyrene	**480**		39	7.6	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Benzo[b]fluoranthene	**870**		39	8.5	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Benzo[g,h,i]perylene	**200**		39	13	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Benzo[k]fluoranthene	**340**		39	12	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Carbazole	<200		200	98	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Chrysene	**510**		39	11	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Dibenz(a,h)anthracene	**53**		39	7.6	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Fluoranthene	**1100**		39	7.3	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Fluorene	**18**	**J**	39	5.5	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1

Client Sample ID: CHG-4(0-1)-092215D
Date Collected: 09/22/15 09:40
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-11
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**220**		39	10	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Isophorone	<200		200	44	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Naphthalene	<39		39	6.1	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Phenanthrene	**450**		39	5.5	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Phenol	<200		200	88	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1
Pyrene	**920**		39	7.8	ug/Kg	☼	09/24/15 07:13	09/29/15 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 137*	*09/24/15 07:13*	*09/29/15 15:02*	*1*
2-Fluorobiphenyl	*106*		*25 - 119*	*09/24/15 07:13*	*09/29/15 15:02*	*1*
2-Fluorophenol	*104*		*25 - 110*	*09/24/15 07:13*	*09/29/15 15:02*	*1*
Nitrobenzene-d5	*96*		*25 - 115*	*09/24/15 07:13*	*09/29/15 15:02*	*1*
Phenol-d5	*110*		*31 - 110*	*09/24/15 07:13*	*09/29/15 15:02*	*1*
Terphenyl-d14	*122*		*36 - 134*	*09/24/15 07:13*	*09/29/15 15:02*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	10/01/15 13:58	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		09/29/15 13:15	10/01/15 13:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	10/01/15 13:58	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		09/29/15 13:15	10/01/15 13:58	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 13:58	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 13:58	1
Copper	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 13:58	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	10/01/15 13:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	10/01/15 13:58	1
Manganese	**0.29**		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 13:58	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 13:58	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	10/01/15 13:58	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 13:58	1
Zinc	**1.1**		0.10	0.020	mg/L		09/29/15 13:15	10/01/15 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.058**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 19:15	1
Barium	**0.76**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 19:15	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 19:15	1
Cadmium	**0.0035**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 19:15	1
Chromium	**0.18**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:15	1
Cobalt	**0.041**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:15	1
Copper	**0.21**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:15	1
Iron	**170**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 19:15	1
Lead	**0.26**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 19:15	1
Manganese	**1.2**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:15	1
Nickel	**0.14**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:15	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 19:15	1

Client Sample ID: CHG-4(0-1)-092215D
Date Collected: 09/22/15 09:40
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-11
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:15	1
Zinc	**1.2**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 19:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.27**	**J**	1.1	0.23	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Arsenic	**5.9**		0.55	0.25	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Barium	**56**		0.55	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Beryllium	**0.52**		0.22	0.048	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Cadmium	**0.29**		0.11	0.032	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Calcium	**57000**	**B**	110	36	mg/Kg	☼	09/25/15 11:30	09/27/15 15:02	10
Chromium	**13**		0.55	0.095	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Cobalt	**7.7**		0.28	0.062	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Copper	**24**	**B**	0.55	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Iron	**15000**		11	4.3	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Lead	**37**		0.28	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Magnesium	**29000**	**B**	5.5	2.2	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Manganese	**380**	**B**	0.55	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Nickel	**17**		0.55	0.15	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Potassium	**740**		28	4.5	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Sodium	**1300**	**B**	55	7.3	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Vanadium	**15**		0.28	0.081	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1
Zinc	**71**		1.1	0.35	mg/Kg	☼	09/25/15 11:30	09/25/15 20:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 10:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**		17	6.1	ug/Kg	☼	09/24/15 15:30	09/25/15 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.67**		0.200	0.200	SU			09/28/15 14:58	1

Client Sample ID: CHG-5(0-1)-092215
Date Collected: 09/22/15 09:51
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-12
Matrix: Solid
Percent Solids: 80.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		09/23/15 15:58	1
Benzene	<6.3		6.3	1.4	ug/Kg	☼		09/23/15 15:58	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		09/23/15 15:58	1
Bromoform	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 15:58	1
Bromomethane	<6.3		6.3	2.3	ug/Kg	☼		09/23/15 15:58	1
Carbon disulfide	<6.3		6.3	2.3	ug/Kg	☼		09/23/15 15:58	1
Carbon tetrachloride	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 15:58	1
Chlorobenzene	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 15:58	1
Chloroethane	<6.3		6.3	2.6	ug/Kg	☼		09/23/15 15:58	1
Chloroform	<6.3		6.3	1.2	ug/Kg	☼		09/23/15 15:58	1
Chloromethane	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 15:58	1
cis-1,2-Dichloroethene	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 15:58	1
cis-1,3-Dichloropropene	<6.3		6.3	1.4	ug/Kg	☼		09/23/15 15:58	1
Dibromochloromethane	<6.3		6.3	0.72	ug/Kg	☼		09/23/15 15:58	1
1,1-Dichloroethane	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 15:58	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		09/23/15 15:58	1
1,1-Dichloroethene	<6.3		6.3	2.3	ug/Kg	☼		09/23/15 15:58	1
1,2-Dichloropropane	<6.3		6.3	1.6	ug/Kg	☼		09/23/15 15:58	1
1,3-Dichloropropene, Total	<6.3		6.3	1.8	ug/Kg	☼		09/23/15 15:58	1
Ethylbenzene	<6.3		6.3	1.6	ug/Kg	☼		09/23/15 15:58	1
2-Hexanone	<6.3		6.3	1.9	ug/Kg	☼		09/23/15 15:58	1
Methylene Chloride	<6.3		6.3	4.7	ug/Kg	☼		09/23/15 15:58	1
Methyl Ethyl Ketone	<6.3		6.3	2.2	ug/Kg	☼		09/23/15 15:58	1
methyl isobutyl ketone	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 15:58	1
Methyl tert-butyl ether	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 15:58	1
Styrene	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 15:58	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	0.99	ug/Kg	☼		09/23/15 15:58	1
Tetrachloroethene	<6.3		6.3	1.3	ug/Kg	☼		09/23/15 15:58	1
Toluene	<6.3		6.3	2.2	ug/Kg	☼		09/23/15 15:58	1
trans-1,2-Dichloroethene	<6.3		6.3	1.6	ug/Kg	☼		09/23/15 15:58	1
trans-1,3-Dichloropropene	<6.3		6.3	1.8	ug/Kg	☼		09/23/15 15:58	1
1,1,1-Trichloroethane	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 15:58	1
1,1,2-Trichloroethane	<6.3		6.3	1.2	ug/Kg	☼		09/23/15 15:58	1
Trichloroethene	<6.3		6.3	1.7	ug/Kg	☼		09/23/15 15:58	1
Vinyl chloride	<6.3		6.3	1.5	ug/Kg	☼		09/23/15 15:58	1
Xylenes, Total	<13		13	2.3	ug/Kg	☼		09/23/15 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*09/23/15 15:58*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*09/23/15 15:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*09/23/15 15:58*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*09/23/15 15:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1

Client Sample ID: CHG-5(0-1)-092215
Date Collected: 09/22/15 09:51
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-12
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2,4-Dichlorophenol	<400		400	94	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2-Methylnaphthalene	<40		40	7.3	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Acenaphthene	**16**	**J**	40	7.1	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Acenaphthylene	<40		40	5.2	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Anthracene	**60**		40	6.6	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Benzo[a]anthracene	**260**		40	5.4	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Benzo[a]pyrene	**280**		40	7.7	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Benzo[b]fluoranthene	**470**		40	8.6	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Benzo[g,h,i]perylene	**150**		40	13	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Benzo[k]fluoranthene	**160**		40	12	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Carbazole	<200		200	99	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Chrysene	**280**		40	11	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Dibenz(a,h)anthracene	**34**	**J**	40	7.7	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Fluoranthene	**510**		40	7.4	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Fluorene	**17**	**J**	40	5.6	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1

Client Sample ID: CHG-5(0-1)-092215
Date Collected: 09/22/15 09:51
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-12
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**150**		40	10	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Isophorone	<200		200	45	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Naphthalene	<40		40	6.1	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Phenanthrene	**290**		40	5.5	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Phenol	<200		200	88	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1
Pyrene	**780**		40	7.9	ug/Kg	☼	09/24/15 07:13	09/28/15 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*35 - 137*	*09/24/15 07:13*	*09/28/15 15:05*	*1*
2-Fluorobiphenyl	*104*		*25 - 119*	*09/24/15 07:13*	*09/28/15 15:05*	*1*
2-Fluorophenol	*98*		*25 - 110*	*09/24/15 07:13*	*09/28/15 15:05*	*1*
Nitrobenzene-d5	*86*		*25 - 115*	*09/24/15 07:13*	*09/28/15 15:05*	*1*
Phenol-d5	*103*		*31 - 110*	*09/24/15 07:13*	*09/28/15 15:05*	*1*
Terphenyl-d14	*184*	*X*	*36 - 134*	*09/24/15 07:13*	*09/28/15 15:05*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	10/01/15 14:03	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		09/29/15 13:15	10/01/15 14:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	10/01/15 14:03	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		09/29/15 13:15	10/01/15 14:03	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:03	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:03	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:03	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	10/01/15 14:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/15 13:15	10/01/15 14:03	1
Manganese	**0.35**		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:03	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:03	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	10/01/15 14:03	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:03	1
Zinc	**0.23**		0.10	0.020	mg/L		09/29/15 13:15	10/01/15 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.058**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 19:22	1
Barium	**1.1**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 19:22	1
Beryllium	**0.0092**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 19:22	1
Cadmium	**0.0043**	**J**	0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 19:22	1
Chromium	**0.26**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:22	1
Cobalt	**0.048**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:22	1
Copper	**0.25**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:22	1
Iron	**240**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 19:22	1
Lead	**0.32**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 19:22	1
Manganese	**1.1**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:22	1
Nickel	**0.17**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:22	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 19:22	1

Client Sample ID: CHG-5(0-1)-092215
Date Collected: 09/22/15 09:51
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-12
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:22	1
Zinc	**1.1**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 19:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.27**	**J**	1.2	0.24	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Arsenic	**3.8**		0.58	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Barium	**52**		0.58	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Beryllium	**0.50**		0.23	0.050	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Cadmium	**0.31**		0.12	0.034	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Calcium	**63000**	**B**	120	37	mg/Kg	☼	09/25/15 11:30	09/27/15 15:06	10
Chromium	**9.6**		0.58	0.10	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Cobalt	**5.8**		0.29	0.066	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Copper	**18**	**B**	0.58	0.13	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Iron	**11000**		12	4.5	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Lead	**48**		0.29	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Magnesium	**48000**	**B**	5.8	2.4	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Manganese	**320**	**B**	0.58	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Nickel	**14**		0.58	0.16	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Potassium	**790**		29	4.7	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Selenium	**0.32**	**J**	0.58	0.29	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Sodium	**1400**	**B**	58	7.7	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Vanadium	**11**		0.29	0.085	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1
Zinc	**63**		1.2	0.37	mg/Kg	☼	09/25/15 11:30	09/25/15 20:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 10:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**31**		18	6.3	ug/Kg	☼	09/24/15 15:30	09/25/15 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.82**		0.200	0.200	SU			09/28/15 15:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Client Sample ID: CHG-6(0-1)-092215
Date Collected: 09/22/15 10:00
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-13
Matrix: Solid
Percent Solids: 76.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<26		26	5.1	ug/Kg	☼		09/23/15 16:22	1
Benzene	<6.6		6.6	1.5	ug/Kg	☼		09/23/15 16:22	1
Bromodichloromethane	<6.6		6.6	1.1	ug/Kg	☼		09/23/15 16:22	1
Bromoform	<6.6		6.6	1.3	ug/Kg	☼		09/23/15 16:22	1
Bromomethane	<6.6		6.6	2.4	ug/Kg	☼		09/23/15 16:22	1
Carbon disulfide	<6.6		6.6	2.4	ug/Kg	☼		09/23/15 16:22	1
Carbon tetrachloride	<6.6		6.6	1.4	ug/Kg	☼		09/23/15 16:22	1
Chlorobenzene	<6.6		6.6	1.6	ug/Kg	☼		09/23/15 16:22	1
Chloroethane	<6.6		6.6	2.8	ug/Kg	☼		09/23/15 16:22	1
Chloroform	<6.6		6.6	1.3	ug/Kg	☼		09/23/15 16:22	1
Chloromethane	<6.6		6.6	1.6	ug/Kg	☼		09/23/15 16:22	1
cis-1,2-Dichloroethene	<6.6		6.6	1.3	ug/Kg	☼		09/23/15 16:22	1
cis-1,3-Dichloropropene	<6.6		6.6	1.5	ug/Kg	☼		09/23/15 16:22	1
Dibromochloromethane	<6.6		6.6	0.76	ug/Kg	☼		09/23/15 16:22	1
1,1-Dichloroethane	<6.6		6.6	1.4	ug/Kg	☼		09/23/15 16:22	1
1,2-Dichloroethane	<6.6		6.6	0.97	ug/Kg	☼		09/23/15 16:22	1
1,1-Dichloroethene	<6.6		6.6	2.4	ug/Kg	☼		09/23/15 16:22	1
1,2-Dichloropropane	<6.6		6.6	1.7	ug/Kg	☼		09/23/15 16:22	1
1,3-Dichloropropene, Total	<6.6		6.6	1.9	ug/Kg	☼		09/23/15 16:22	1
Ethylbenzene	<6.6		6.6	1.6	ug/Kg	☼		09/23/15 16:22	1
2-Hexanone	<6.6		6.6	2.0	ug/Kg	☼		09/23/15 16:22	1
Methylene Chloride	<6.6		6.6	5.0	ug/Kg	☼		09/23/15 16:22	1
Methyl Ethyl Ketone	<6.6		6.6	2.3	ug/Kg	☼		09/23/15 16:22	1
methyl isobutyl ketone	<6.6		6.6	1.4	ug/Kg	☼		09/23/15 16:22	1
Methyl tert-butyl ether	<6.6		6.6	1.6	ug/Kg	☼		09/23/15 16:22	1
Styrene	<6.6		6.6	1.5	ug/Kg	☼		09/23/15 16:22	1
1,1,2,2-Tetrachloroethane	<6.6		6.6	1.0	ug/Kg	☼		09/23/15 16:22	1
Tetrachloroethene	<6.6		6.6	1.4	ug/Kg	☼		09/23/15 16:22	1
Toluene	<6.6		6.6	2.3	ug/Kg	☼		09/23/15 16:22	1
trans-1,2-Dichloroethene	<6.6		6.6	1.6	ug/Kg	☼		09/23/15 16:22	1
trans-1,3-Dichloropropene	<6.6		6.6	1.9	ug/Kg	☼		09/23/15 16:22	1
1,1,1-Trichloroethane	<6.6		6.6	1.5	ug/Kg	☼		09/23/15 16:22	1
1,1,2-Trichloroethane	<6.6		6.6	1.3	ug/Kg	☼		09/23/15 16:22	1
Trichloroethene	<6.6		6.6	1.8	ug/Kg	☼		09/23/15 16:22	1
Vinyl chloride	<6.6		6.6	1.6	ug/Kg	☼		09/23/15 16:22	1
Xylenes, Total	<13		13	2.4	ug/Kg	☼		09/23/15 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*09/23/15 16:22*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*09/23/15 16:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*09/23/15 16:22*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*09/23/15 16:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1

Client Sample ID: CHG-6(0-1)-092215
Date Collected: 09/22/15 10:00
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-13
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	95	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2,4-Dichlorophenol	<420		420	99	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2,4-Dinitrophenol	<840		840	740	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2-Methylnaphthalene	<42		42	7.7	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2-Methylphenol	<210		210	67	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
2-Nitrophenol	<420		420	99	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
4,6-Dinitro-2-methylphenol	<840		840	340	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Acenaphthene	**35**	**J**	42	7.5	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Acenaphthylene	<42		42	5.5	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Anthracene	**110**		42	7.0	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Benzo[a]anthracene	**520**		42	5.6	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Benzo[a]pyrene	**560**		42	8.1	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Benzo[b]fluoranthene	**930**		42	9.0	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Benzo[g,h,i]perylene	**250**		42	13	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Benzo[k]fluoranthene	**370**		42	12	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Carbazole	<210		210	100	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Chrysene	**620**		42	11	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Dibenz(a,h)anthracene	**67**		42	8.1	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Dibenzofuran	<210		210	49	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Fluoranthene	**1400**		42	7.8	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Fluorene	**46**		42	5.9	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Hexachloroethane	<210		210	64	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Client Sample ID: CHG-6(0-1)-092215
Date Collected: 09/22/15 10:00
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-13
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**280**		42	11	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Isophorone	<210		210	47	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Naphthalene	<42		42	6.4	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Nitrobenzene	<42		42	10	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Phenanthrene	**740**		42	5.8	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Phenol	<210		210	93	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1
Pyrene	**1100**		42	8.3	ug/Kg	☼	09/24/15 07:13	09/29/15 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*09/24/15 07:13*	*09/29/15 13:46*	*1*
2-Fluorobiphenyl	*90*		*25 - 119*	*09/24/15 07:13*	*09/29/15 13:46*	*1*
2-Fluorophenol	*97*		*25 - 110*	*09/24/15 07:13*	*09/29/15 13:46*	*1*
Nitrobenzene-d5	*86*		*25 - 115*	*09/24/15 07:13*	*09/29/15 13:46*	*1*
Phenol-d5	*99*		*31 - 110*	*09/24/15 07:13*	*09/29/15 13:46*	*1*
Terphenyl-d14	*108*		*36 - 134*	*09/24/15 07:13*	*09/29/15 13:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/15 13:15	10/01/15 14:08	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		09/29/15 13:15	10/01/15 14:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/15 13:15	10/01/15 14:08	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		09/29/15 13:15	10/01/15 14:08	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:08	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:08	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:08	1
Iron	<0.20		0.20	0.20	mg/L		09/29/15 13:15	10/01/15 14:08	1
Lead	**0.0076**		0.0075	0.0075	mg/L		09/29/15 13:15	10/01/15 14:08	1
Manganese	**0.36**		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:08	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:08	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/15 13:15	10/01/15 14:08	1
Silver	<0.025		0.025	0.010	mg/L		09/29/15 13:15	10/01/15 14:08	1
Zinc	**0.12**		0.10	0.020	mg/L		09/29/15 13:15	10/01/15 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.057**		0.050	0.010	mg/L		09/25/15 11:00	09/25/15 19:29	1
Barium	**1.1**		0.50	0.050	mg/L		09/25/15 11:00	09/25/15 19:29	1
Beryllium	**0.0099**		0.0040	0.0040	mg/L		09/25/15 11:00	09/25/15 19:29	1
Cadmium	**0.0062**		0.0050	0.0020	mg/L		09/25/15 11:00	09/25/15 19:29	1
Chromium	**0.27**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:29	1
Cobalt	**0.054**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:29	1
Copper	**0.38**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:29	1
Iron	**230**		0.20	0.20	mg/L		09/25/15 11:00	09/25/15 19:29	1
Lead	**0.43**		0.0075	0.0075	mg/L		09/25/15 11:00	09/25/15 19:29	1
Manganese	**0.96**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:29	1
Nickel	**0.20**		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:29	1
Selenium	<0.050		0.050	0.020	mg/L		09/25/15 11:00	09/25/15 19:29	1

Client Sample ID: CHG-6(0-1)-092215
Date Collected: 09/22/15 10:00
Date Received: 09/22/15 17:07

Lab Sample ID: 500-101547-13
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/25/15 11:00	09/25/15 19:29	1
Zinc	**3.2**		0.10	0.020	mg/L		09/25/15 11:00	09/25/15 19:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		1.3	0.27	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Arsenic	**4.3**		0.65	0.30	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Barium	**83**		0.65	0.12	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Beryllium	**0.74**		0.26	0.056	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Cadmium	**0.64**		0.13	0.038	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Calcium	**7000**	**B**	13	4.2	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Chromium	**24**		0.65	0.11	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Cobalt	**8.2**		0.33	0.074	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Copper	**36**	**B**	0.65	0.14	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Iron	**18000**		13	5.0	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Lead	**100**		0.33	0.16	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Magnesium	**4900**	**B**	6.5	2.6	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Manganese	**280**	**B**	0.65	0.13	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Nickel	**28**		0.65	0.18	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Potassium	**1500**		33	5.3	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Selenium	**0.60**	**J**	0.65	0.32	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Silver	<0.33		0.33	0.076	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Sodium	**2400**	**B**	65	8.6	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Thallium	<0.65		0.65	0.32	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Vanadium	**17**		0.33	0.095	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1
Zinc	**120**		1.3	0.41	mg/Kg	☼	09/25/15 11:30	09/25/15 21:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/15 15:00	09/30/15 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.26**		0.20	0.20	ug/L		09/25/15 16:30	09/28/15 10:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		21	7.2	ug/Kg	☼	09/24/15 15:30	09/25/15 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.22**		0.200	0.200	SU			09/28/15 15:02	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL 38 (Roosevelt Rd) - WO 029

TestAmerica Job ID: 500-101547-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-101547
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.4

Client: Weston Solutions
Client Project #: 02056.014.029.0030
Project Name: IDOT029-IL38
Project Location/State: Oak Brook Terrace/Villa Park, IL
Lab Project #:
Sampler: A. Turkasz
Lab PM: D. Wright

Preservative Key: ...o 4° / ...l to 4° / ...to 4° / ...to 4° / ...ol to 4°

500-101547 COC

	Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (Pres. 7)	SVOCs (Pres. 7)	TOTAL Metals (Pres. 7)	TCLP/SPLP Metals (Pres. 7)	pH (Pres. 7)					Comments
1	1		CS-1(0-2)-092215	9-22-15	0805	2	S	X	X	X	X	X					
2	2		CS-2(0-2)-092215	↓	0815	↓	↓	↓	↓	↓	↓	↓					
3	3		CS-3(0-2)-092215	↓	0826	↓	↓	↓	↓	↓	↓	↓					
4	4		CS-4(0-2)-092215	↓	0836	↓	↓	↓	↓	↓	↓	↓					
5	5		CS-5(0-2)-092215	↓	0848	↓	↓	↓	↓	↓	↓	↓					
6	6		RF-1(0-1)-092215	↓	0856	↓	↓	↓	↓	↓	↓	↓					
7	7		CHG-1(0-1)-092215	↓	0905	↓	↓	↓	↓	↓	↓	↓					
8	8		CHG-2(0-1)-092215	↓	0915	↓	↓	↓	↓	↓	↓	↓					
9	9		CHG-3(0-1)-092215	↓	0928	↓	↓	↓	↓	↓	↓	↓					
10	10		CHG-4(0-1)-092215	9-22-15	0940	2	S	X	X	X	X	X					

AS 9/22/15

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600	[signature]	TA	9/22/15	1600
[signature]	TA	9/22/15	1707	[signature]	TA CHI	09/22/15	17:07

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1208)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #:

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.4

Report To (optional)		Bill To (optional)	
Contact:	S. Balasubramanian	Contact:	SAME
Company:	Weston Solutions Inc	Company:	
Address:	300 Plaza Circle, Ste 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:		PO#/Reference#	

Client	Client Project #	Preservative	7	7	7	7	7					Preservative Key
Weston Solutions	02056.014.0											1. HCL, Cool to 4°
Project Name		Parameter										2. H2SO4, Cool to 4°
IDOT 029 - IL 38 (Roosevelt Rd)												3. HNO3, Cool to 4°
Project Location/State	Lab Project #											4. NaOH, Cool to 4°
Oak Brook Terrace/Villa Park, IL			VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					5. NaOH/Zn, Cool to 4°
Sampler	Lab PM											6. NaHSO4
M. Doheny-Stabic/A. Turkasz	D. Wright											7. Cool to 4°
												8. None
												9. Other

9/22/15 AS	Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix									Comments
	11		CHG-4(0-1)-092215D	9-22-15	0940	2	S	X	X	X	X	X				
	12		CHG-5(0-1)-092215		0951											
	13		CHG-6(0-1)-092215		1000											
	14		CC-11(0-2)-092215		1135											
	15		CC-10(0-2)-092215		1147											
	16		CC-9(0-0.5)-092215		1155											
	17		CC-8(0-2)-092215		1207											
	18		CC-7(0-1)-092215		1218											
	19		CC-6(0-1)-092215		1236											
	20		CC-5(0-2)-092215	9-22-15	1245	2	S	X	X	X	X	X				

Turnaround Time Required (Business Days)

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

Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Alex Turkasz	Weston	09/22/15	1600		TA	9/22/15	1600
	TA	9/22/15	1707		TA-CHI	09/22/15	17:07

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments: